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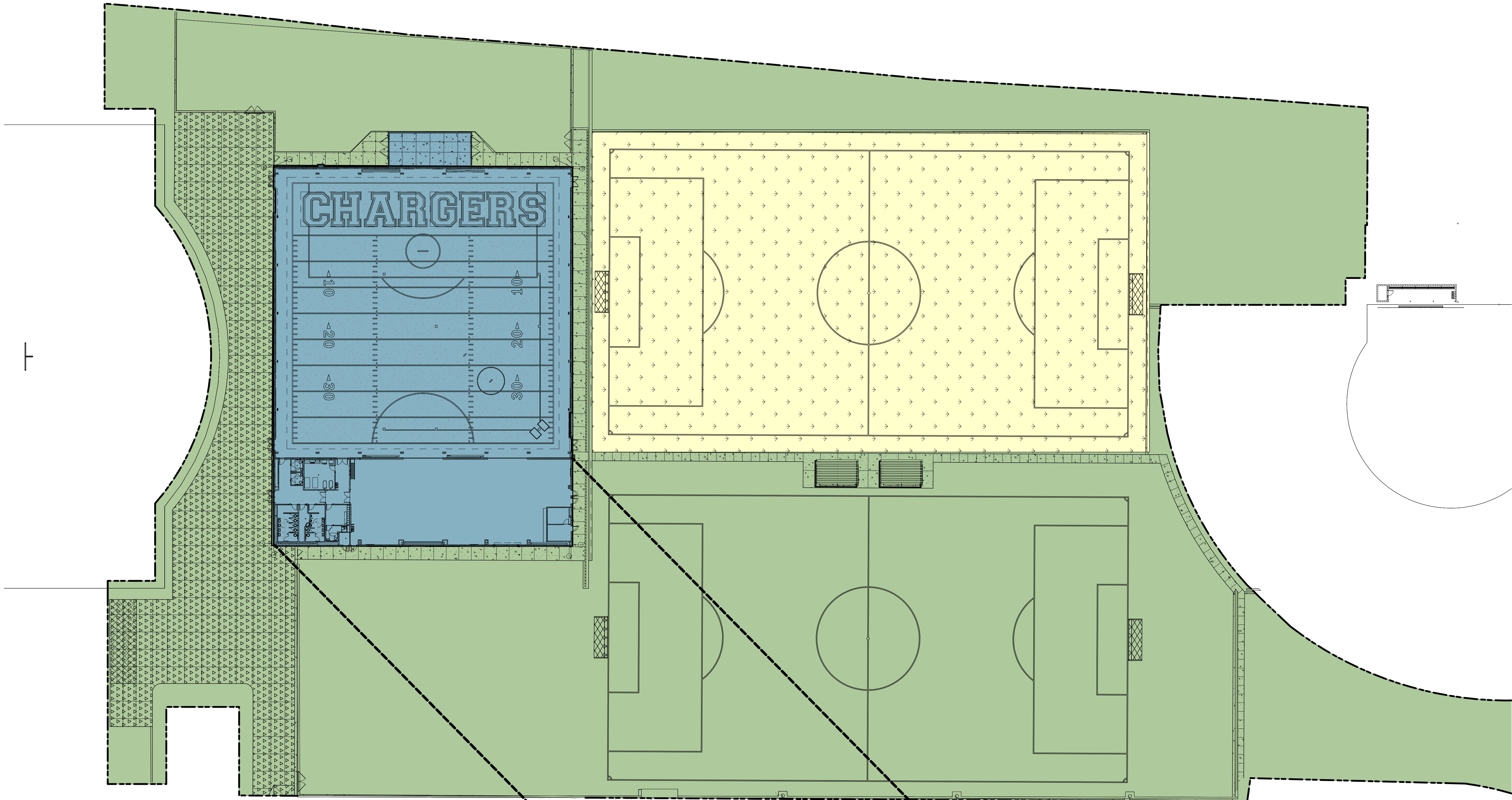
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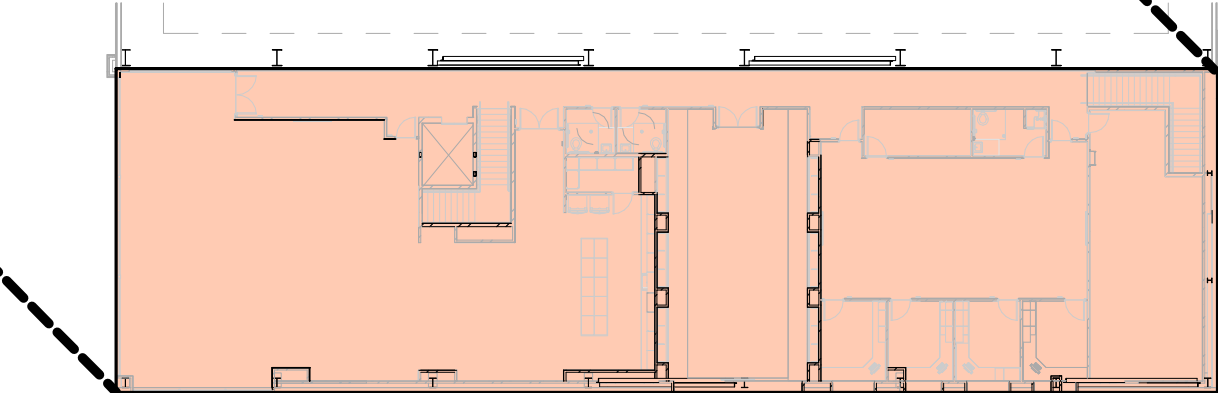
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**FIELD HOUSE PROJECT SCOPE PLAN**  
G001 | SCALE: 1" = 30'-0"



**ALTERNATE SCOPE**  
G001 | SCALE: 1" = 30'-0"

**BASE BID: SITE, LEVEL 1 & MEZZANINE**

- SITE:**
1. NEW DRIVABLE CONCRETE PLAZA BETWEEN NEW FIELDHOUSE AND EXISTING TRACK
  2. SITE CONCRETE CONNECTING EXISTING FOOTBALL STADIUM CONCRETE TO NEW SITE CONCRETE
  3. NEW FENCE MESH ALONG WEST SIDE OF PLAY FIELDS
  4. NEW FENCING AND GATES BETWEEN PLAZA AND SOD FIELD
  5. NEW CHAINLINK GATES ADDED ON SOUTH END OF EXISTING TRACK CHAINLINK.
  6. NEW STORM TECH SYSTEM BELOW SOD SOCCER FIELD
  7. REGRADE EXISTING PLAY FIELDS FOR NEW TURF SOCCER FIELD AND NEW SOD SOCCER FIELD
  8. NEW SIDEWALKS BETWEEN TURF FIELD AND SOD FIELD
  9. RELOCATE EXISTING SOFBALL AND SOCCER SCOREBOARDS
  10. NEW SPORTS FIELD NETTING ON NORTH AND SOUTH END OF NEW TURF SOCCER FIELD
  11. REVISED IRRIGATION
  12. PROVIDE FINAL GRADING
  13. OWNER PURCHASED AND INSTALLED ARTIFICIAL TURF

- BUILDING BASE BID**
- LEVEL 1:**
- PEMB FINISHED AREA = 37,872 SQFT
  - TRAINING ROOM
  - MENS, WOMENS AND SINGLE USE RESTROOMS
  - REFEREE LOCKER ROOM AND RESTROOM
  - RISER ROOM
  - WEIGHT ROOM
  - CORRIDORS
  - ELEVATOR PIT FOR FUTURE ELEVATOR
  - ELECTRICAL AND DATA ROOMS
  - TURF AREA FOOTPRINT; OWNER PURCHASED AND INSTALLED ARTIFICIAL TURF
- LEVEL 2:**
- MEZZANINE ABOVE TRAINING AND RESTROOMS = 2,260 SQFT.
  - FLOOR STRUCTURE FOR MEZZANINE AREA ONLY
  - GUARDRAILINGS AROUND MEZZANINE
  - MEZZANINE ACCESS LADDER
  - ROOF ACCESS LADDER AND HATCH
  - FIRE SPRINKLER DESIGN FOR FUTURE BUILD OUT, BUT INSTALLED TO MEET OPEN UNFINISHED DESIGN
  - LIMITED ELECTRICAL, PLUMBING, AND HVAC
  - INSULATION IN CORRIDOR WALLS AND WALLS ADJACENT TO FINISHED SPACES
  - STRUCTURAL SUPPORT & CURB FOR FUTURE RTUs
  - ALL WINDOWS TO BE INSTALLED AS PART OF BASE BID

- ALTERNATE # 2: LEVEL 2**
- FINISHED AREA = 8,800 SQFT
  - ELEVATOR
  - STAIRS
  - VIP HOSTING AREA
  - KITCHENETTE, PANTRY, STORAGE
  - SINGLE USE RESTROOMS
  - LEGACY ROOM
  - COACHES SUITE, OFFICES, CONFERENCE ROOM, RESTROOM, SHOWER
  - STORAGE
  - BALCONY AND RAILINGS OPEN TO TURF AREA BELOW

- NIC: ARTIFICIAL TURF**
- NOT PART OF THE SCOPE OF THIS PROJECT
- OWNER PURCHASED AND INSTALLED INTERIOR ARTIFICIAL TURF
  - OWNER PURCHASED AND INSTALLED EXTERIOR ARTIFICIAL TURF

REVISIONS	
△ DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

**BID SET**

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

**PROJECT  
SCOPE PLAN**

SHEET NUMBER

**G001**







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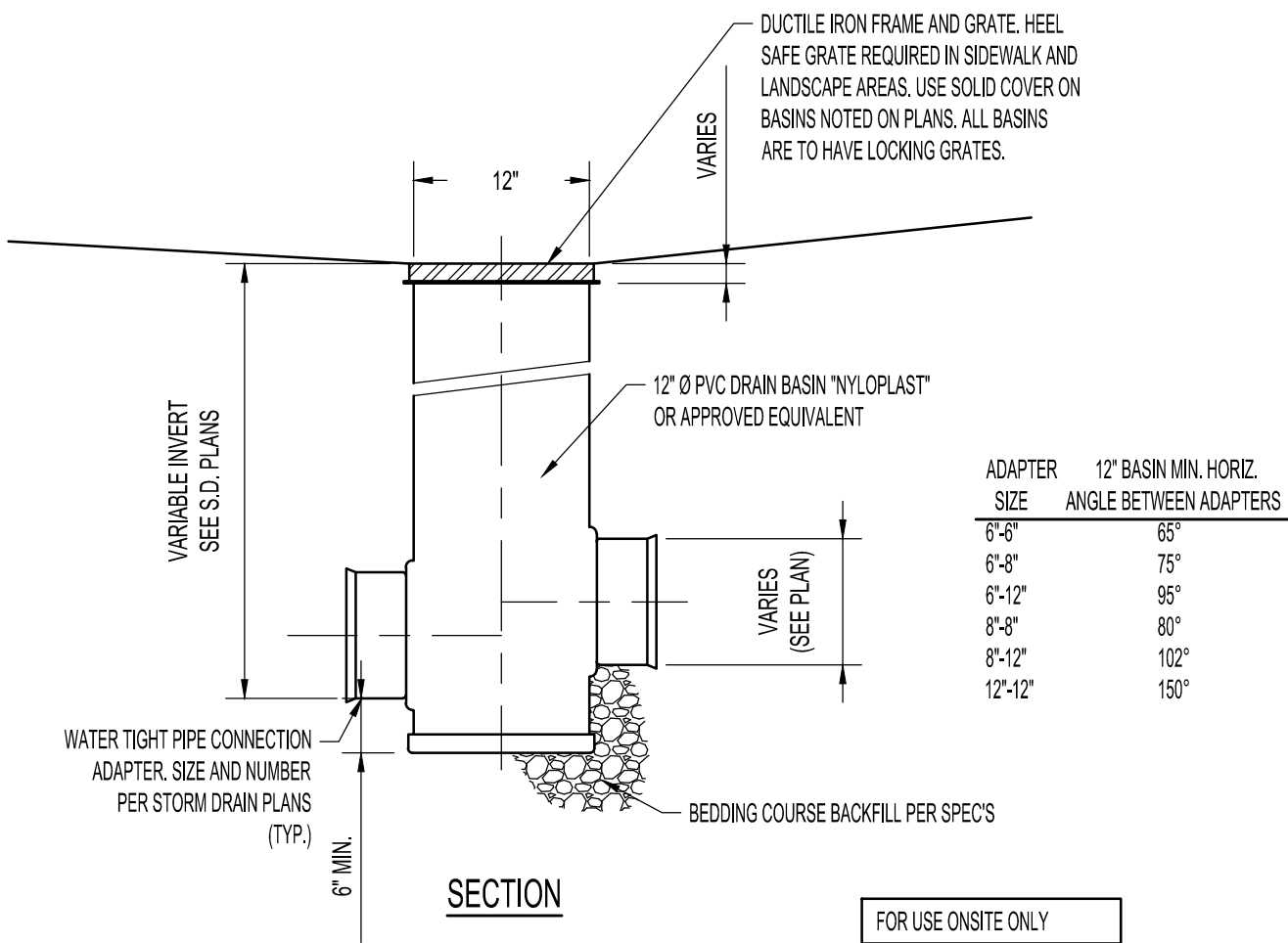
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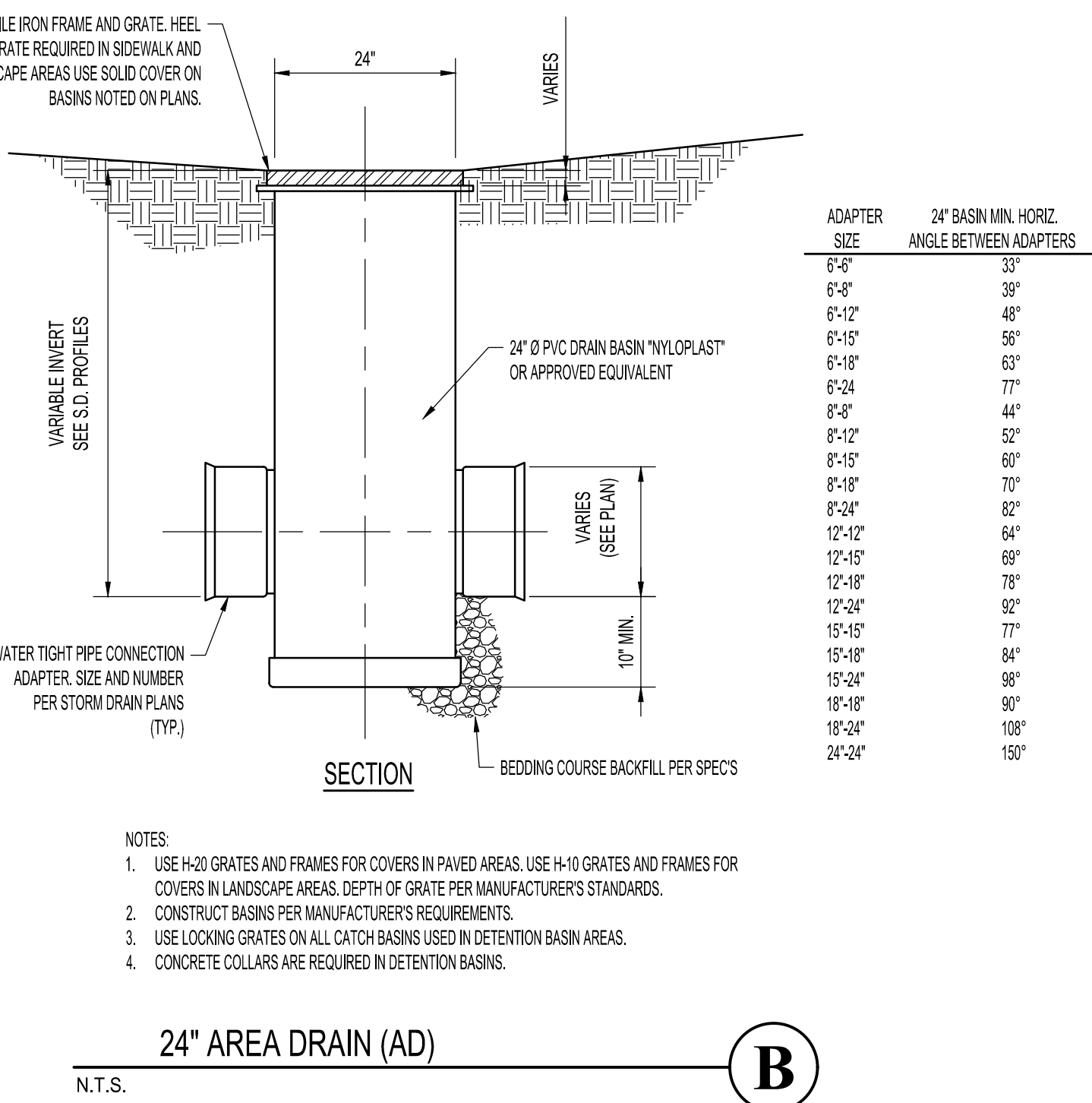
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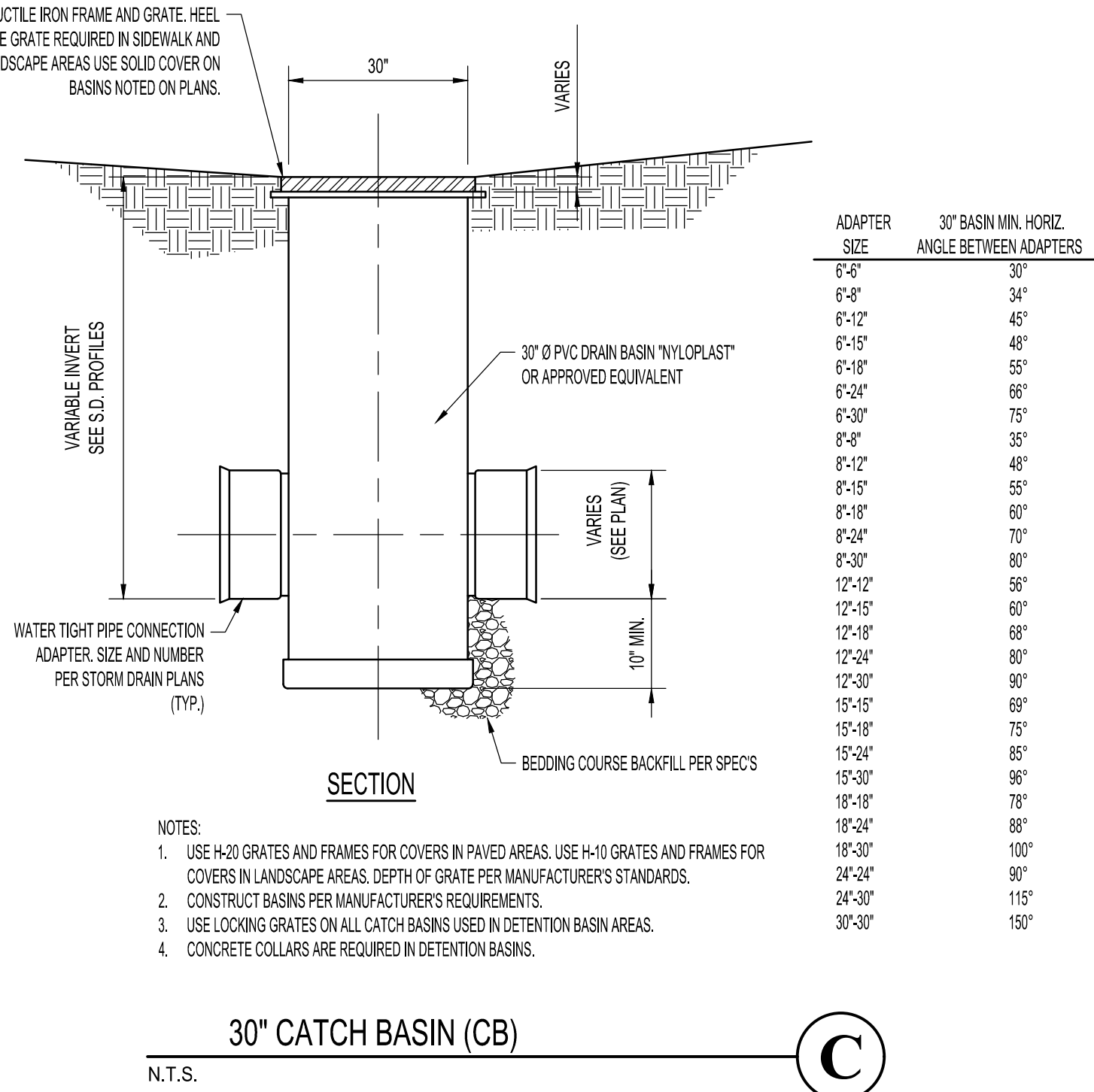
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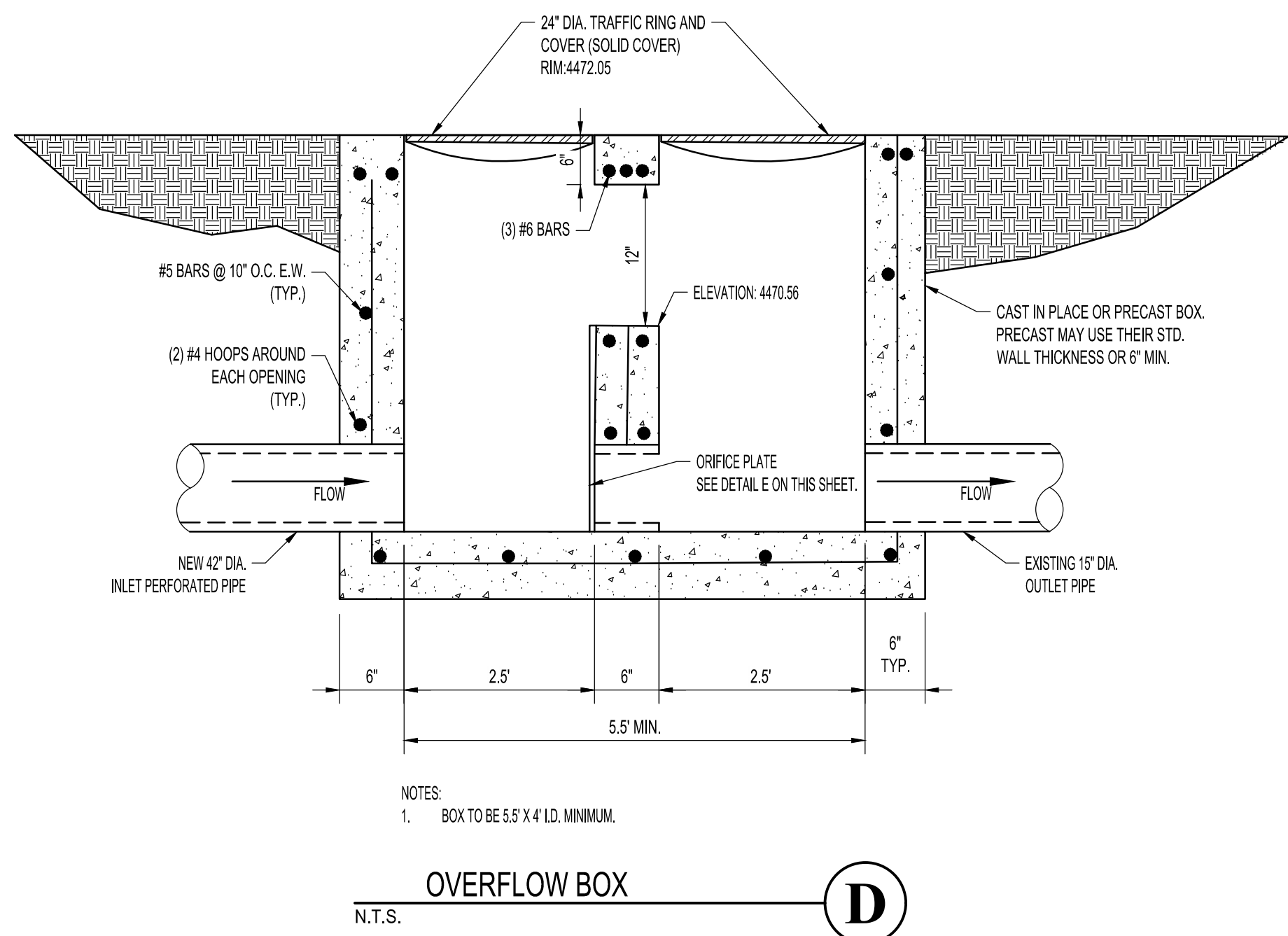
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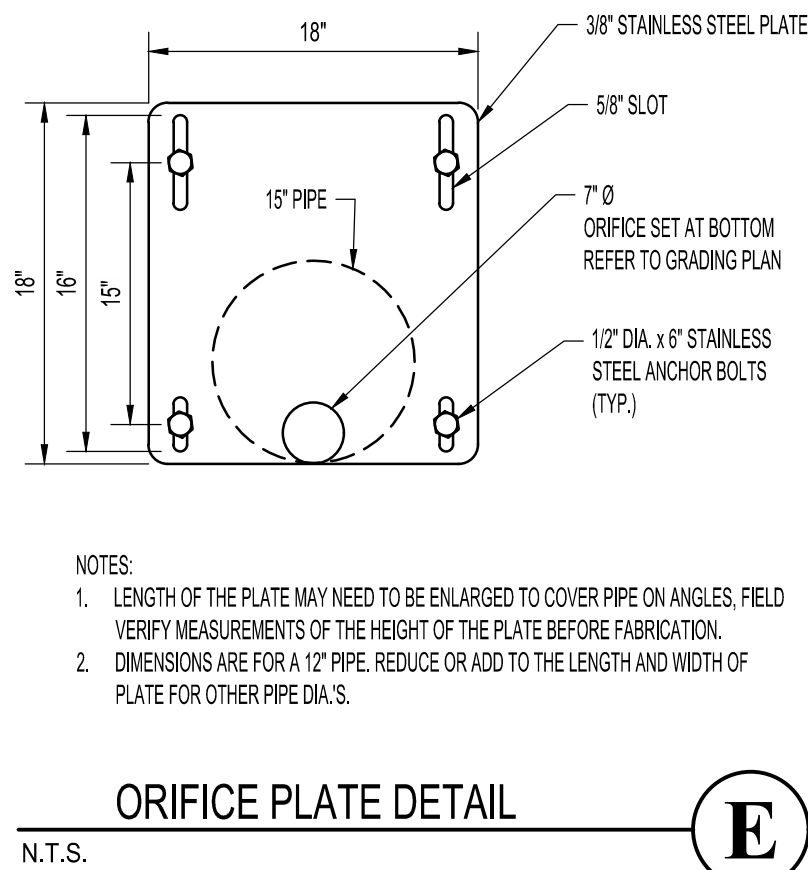
30" CATCH BASIN (CB)



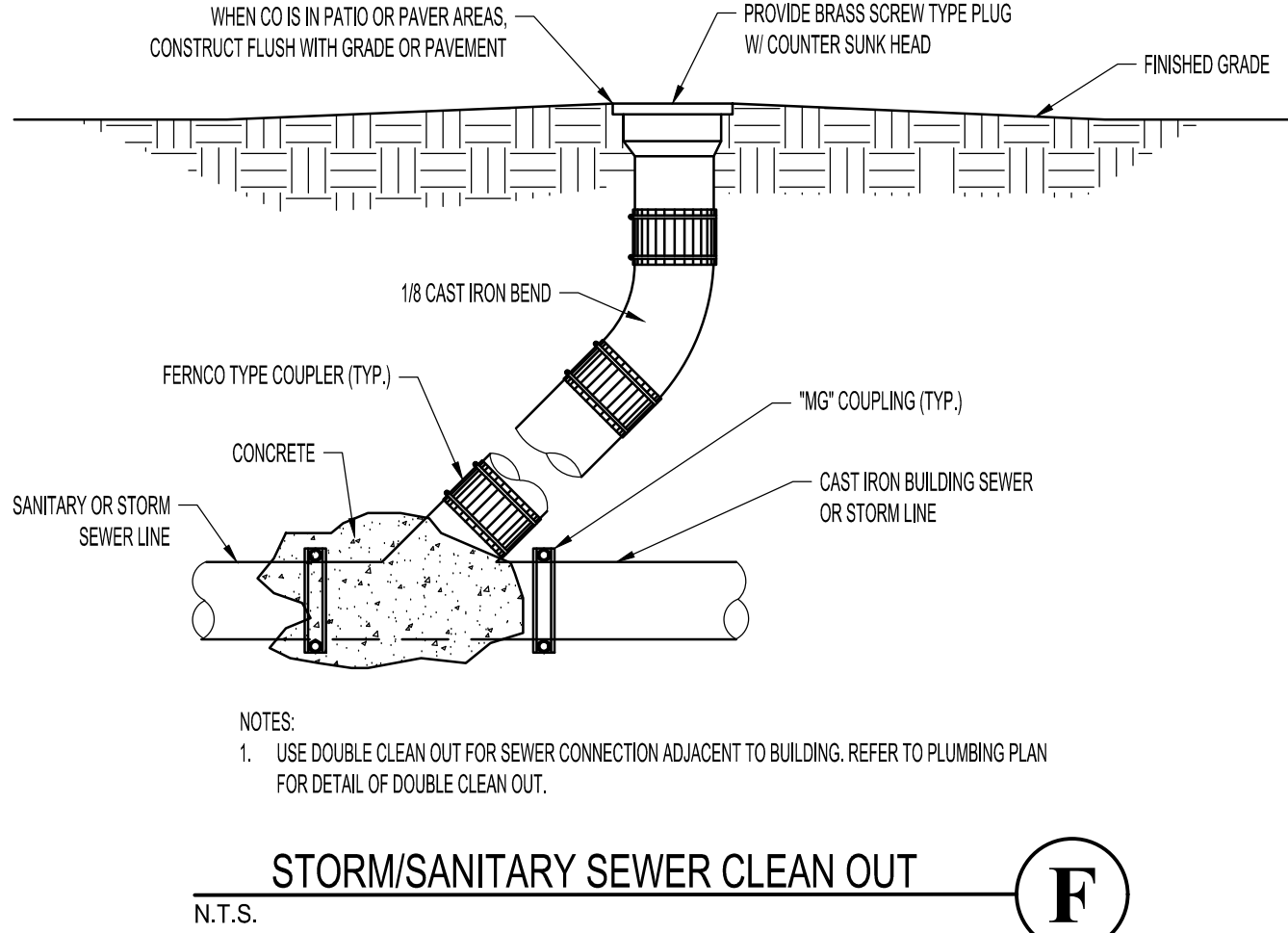
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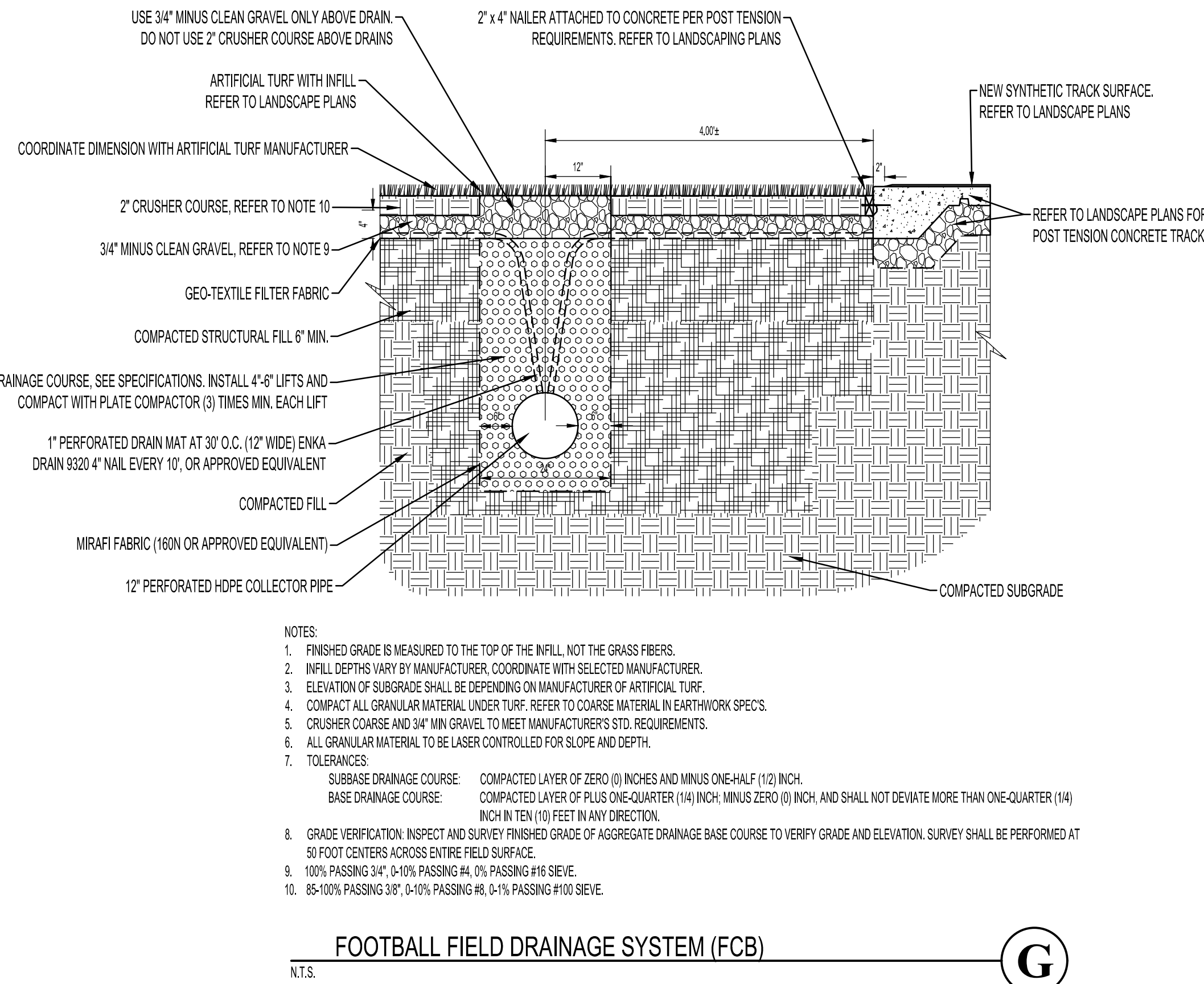
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STORM/SANITARY SEWER CLEAN OUT



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NOTES:

- DROP MANHOLES REQUIRED FOR ANY LINE ENTERING MANHOLE TWO FEET OR MORE ABOVE FLOWLINE OF MAIN LINE.
- MANHOLES TO CONFORM WITH STANDARD MANHOLE DETAILS (STANDARD No. SS-2A).
- ALL PIPE AND FITTINGS SHALL CONFORM TO ASTM PE3408 SDR 17 HDPE SEWER PIPE.
- CONES SHALL BE ROTATED PER INSPECTOR'S RECOMMENDATIONS.
- DROP MANHOLES ARE TO BE USED ONLY WHEN ACCEPTED BY THE DISTRICT.



NO.	DATE	REVISION	BY	CHK	APP
1					
2					
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SOUTH VALLEY SEWER DISTRICT  
DISTRICT  
INSIDE DROP  
MANHOLE

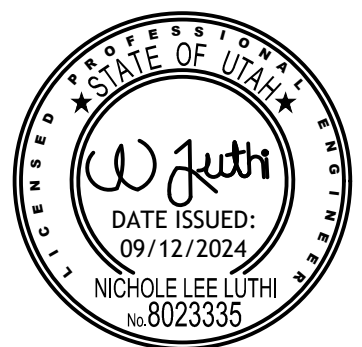
DRAWN	DESIGNED	CHECKED	APPROVED
NOV 2022			
DATE	PER NAME	DRAWING NAME	
		SS-2E	



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
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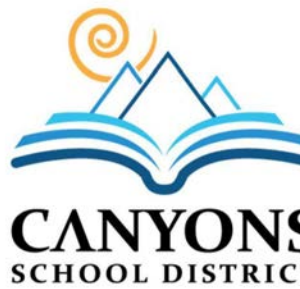
PROFESSIONAL STAMP



CONSULTANT INFORMATION



OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD  
BP-3

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: NLL  
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

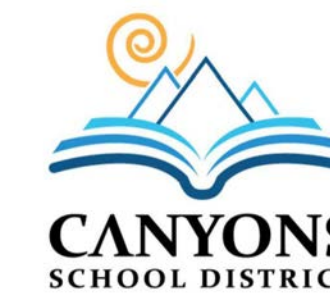
UTILITY DETAILS

SHEET NUMBER

C101





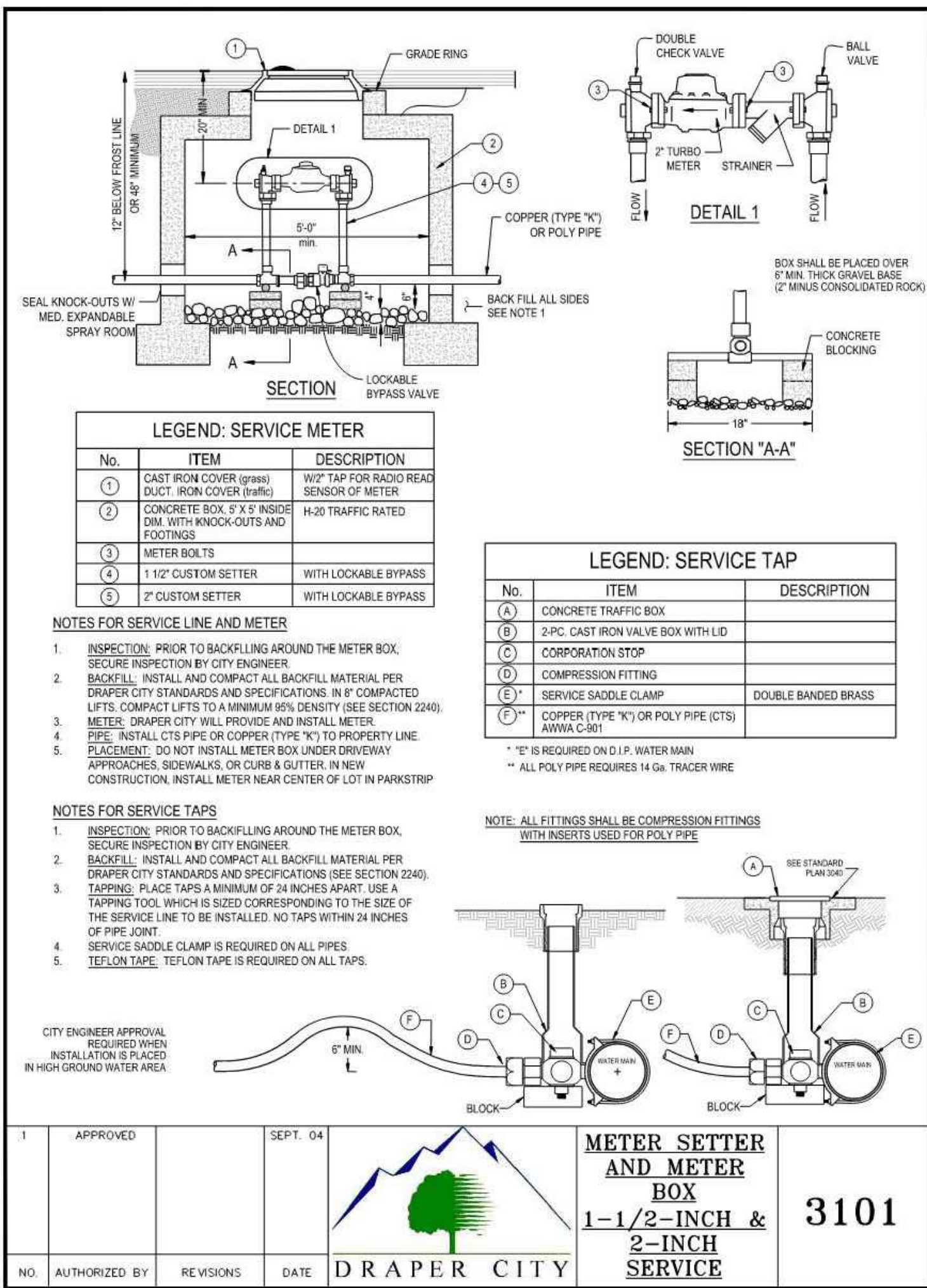
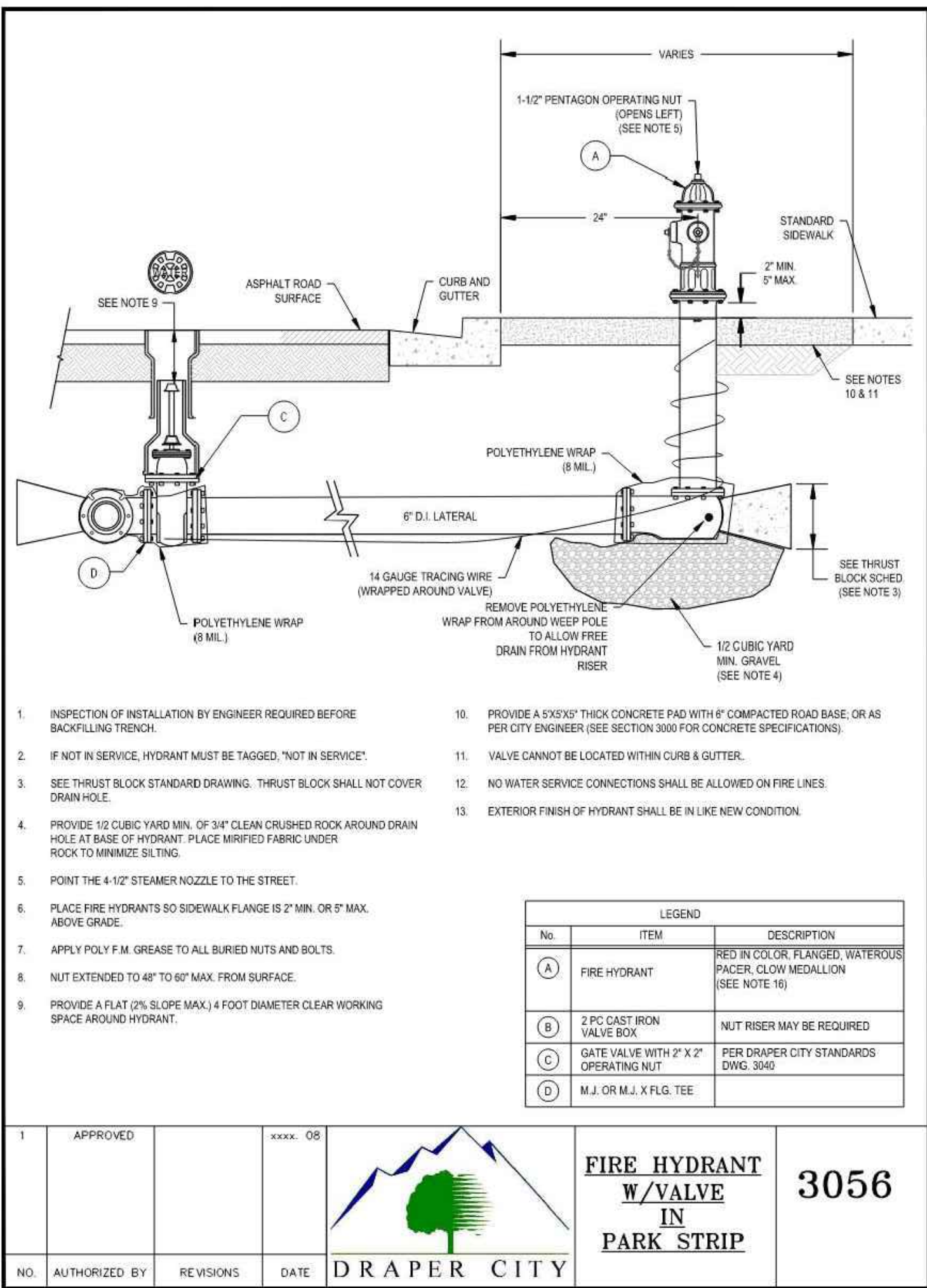
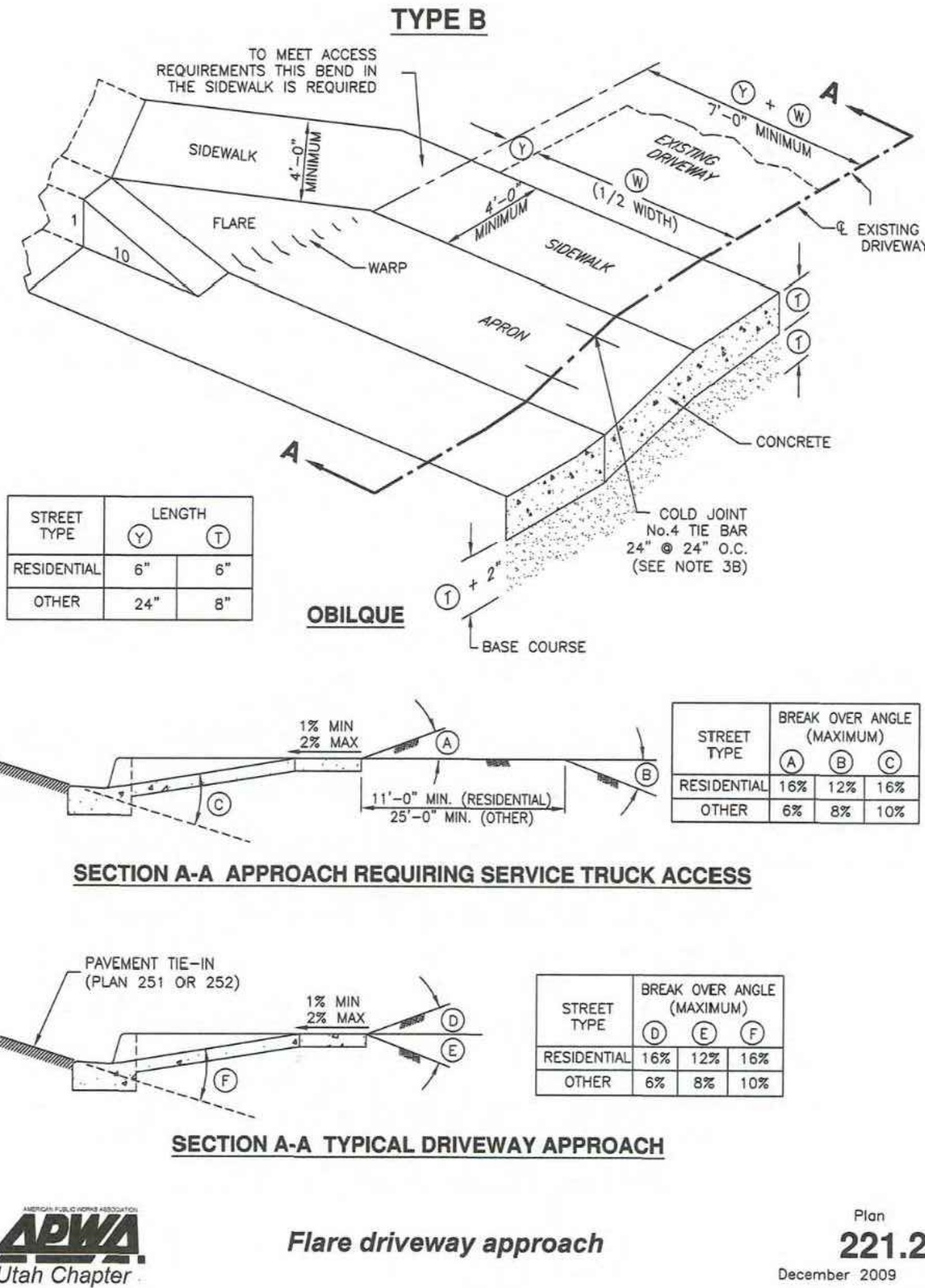


REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	



- 221.2**
- GENERAL**
- A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER's discretion.
- B. Field Changes to Slope Requirements:
- Grades may have a 6 percent change in slope over a 11 feet wheel base run for both crest or sag vertical curves.
  - Where heavy truck use and fire truck access applies, or to improve design speed, design grades should be cut in half.
  - Specific uses or site conditions may require profile design submittal for review and acceptance.
- C. Additional requirements are specified in APWA Section 32 16 13..
- PRODUCTS**
- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
- B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73..
- C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution, however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.
- D. Reinforcement: Galvanized or epoxy coated, deformed, 60 ksi yield grade steel, ASTM A615.
- E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.
- EXECUTION**
- A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- B. Reinforcement: Not required if driveway apron is constructed without a cold joint.
- C. Concrete Placement: APWA Section 03 30 10.
- Install expansion joints vertical, full depth, with top of filler set flush with concrete surface.
  - Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Maximum length to width ratio for non-square panels is 1.5 to 1. Maximum panel length (in feet) is 1.5 times the slab thickness (in inches).
  - Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
- D. Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.

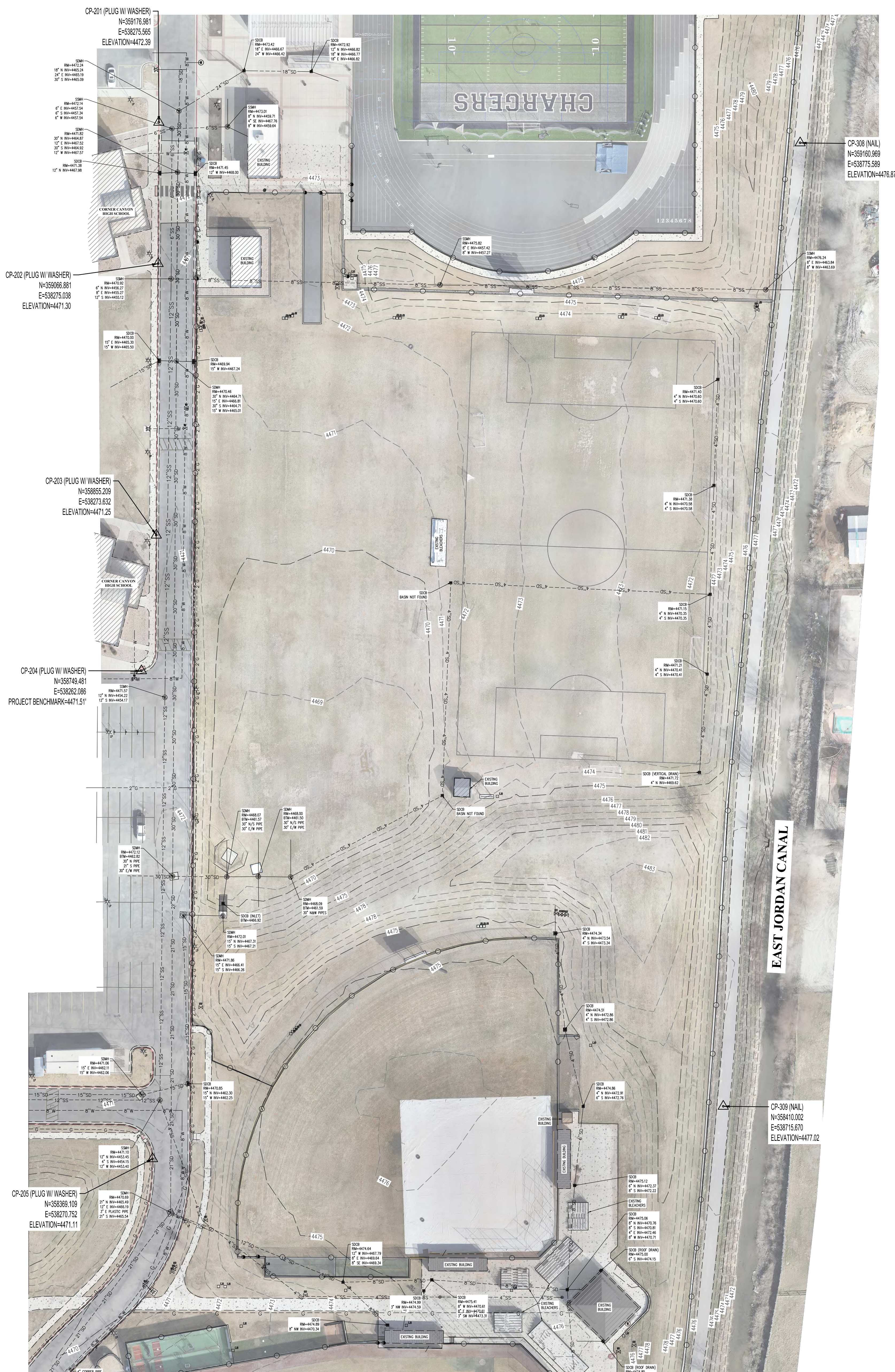








SHEET NUMBER  
**C200**





Autodesk Draw / 24-013 CCHS Fieldhouse & Soccer Field / 24-013 CCHS Fieldhouse & Soccer Field.rvt  
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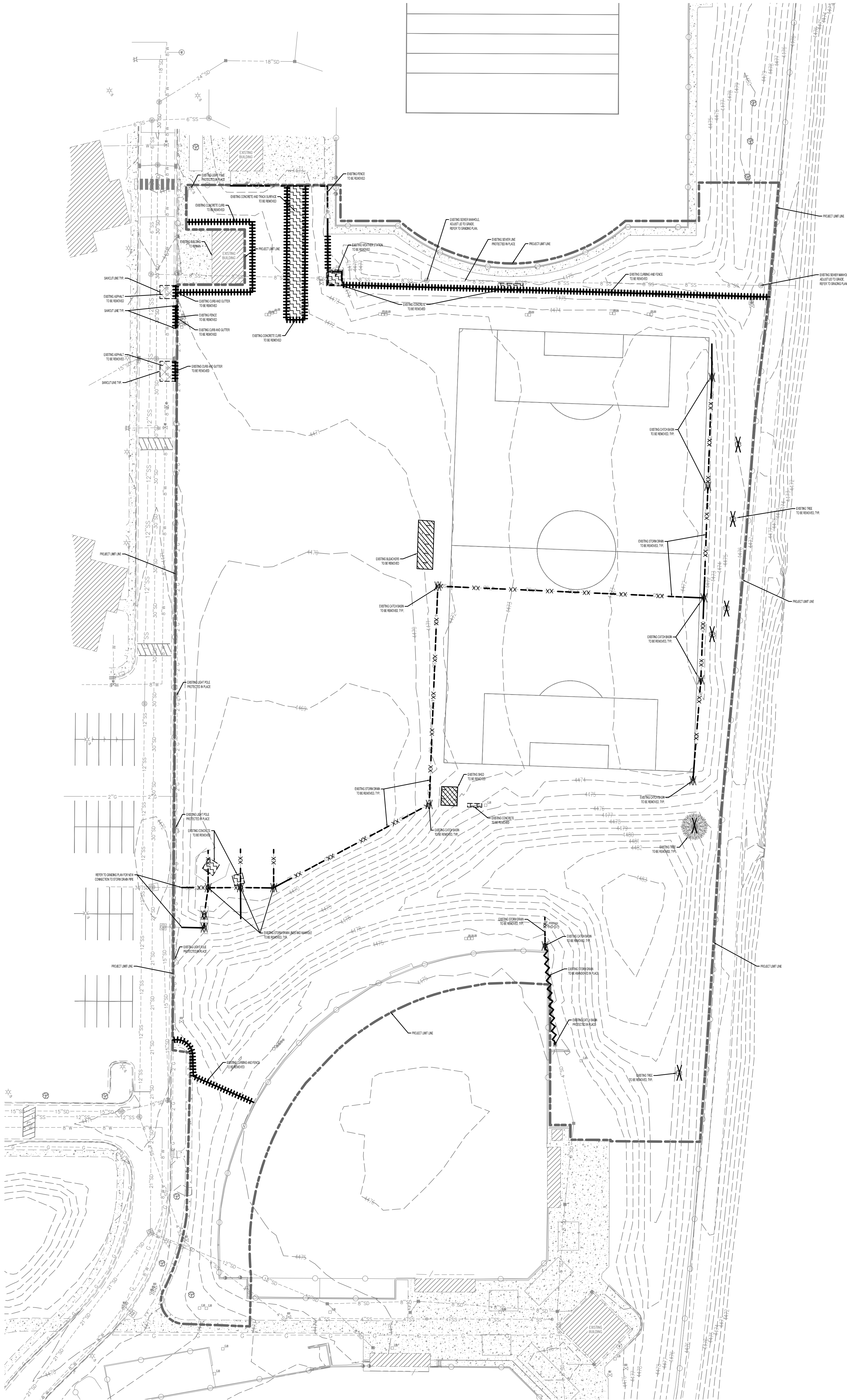
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#### UTILITY DEMOLITION NOTES

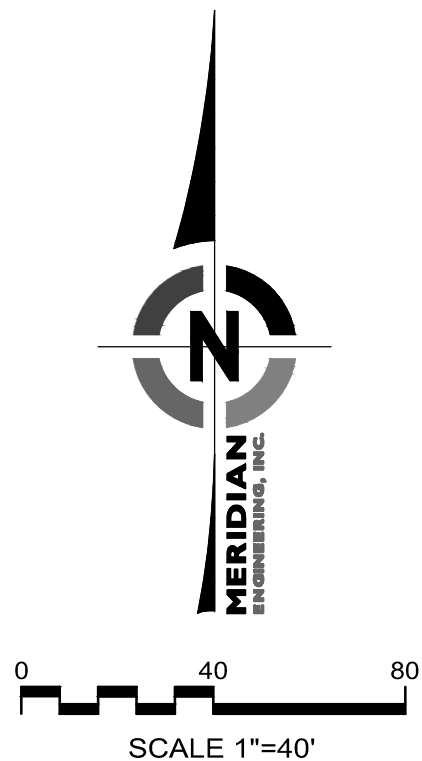
1. REMOVE UTILITIES ONLY AFTER NEW TEMPORARY UTILITY LINES HAVE BEEN REROUTED AND CONNECTED.
2. TEMPORARY PUMPING OF SANITARY SEWER WILL BE REQUIRED AS PORTIONS OF THE EXISTING PIPING ARE REMOVED AND REPLACED. BACKUP PUMPS AND POWER WILL BE REQUIRED WHERE PUMPING IS NECESSARY TO MAINTAIN SERVICE TO THE BUILDING. TEMPORARY BYPASS PIPING OR PUMPING IS REQUIRED UNTIL THE NEW PIPING IS OPERATIONAL.
3. REFER TO THE ELECTRICAL OR MECHANICAL PLANS FOR SITE DEMOLITION OF EXISTING TRANSFORMERS, ELECTRICAL LINES, EXISTING LIGHTING, ELECTRICAL EQUIPMENT, HEATING VAULTS, HEATING LINES, GAS LINES, OR OTHER SITE DEMOLITION INSIDE OR OUTSIDE THE PROJECT LIMITS.
4. ALL EXISTING UTILITIES OR SURFACE IMPROVEMENTS SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION, UNLESS NOTED OTHERWISE. ANY DAMAGE TO THE UTILITIES OR SURFACE IMPROVEMENTS SHALL BE REPAIRED WITH NEW MATERIALS AT NO ADDITIONAL COST TO THE OWNER. ALL INTERRUPTIONS OF UTILITIES SERVICE WILL BE COORDINATED WITH THE OWNER AT LEAST ONE WEEK IN ADVANCE. NIGHTTIME INTERRUPTIONS OF A SERVICE MAY BE NECESSARY TO SUCCESSFULLY COMPLETE NEW UTILITY CONNECTIONS.
5. UTILITIES ABANDONED IN PLACE UNDER PAVEMENT OR CONCRETE IMPROVEMENTS SHALL HAVE SAND BLOWN INTO THE ABANDONED PIPING. ALL OPEN ENDS OF ABANDONED PIPING SHALL BE PLUGGED AND CAPPED. REPAIR EXISTING MANHOLES AND INLETS WHERE PIPING IS REMOVED AS PART OF THE DEMOLITION. PLUG AND GROUT (EPOXY GROUT) HOLES IN THE EXISTING STRUCTURES. CORE DRILL AND EPOXY GROUT ALL NEW PIPING INTO EXISTING CONCRETE STRUCTURES.
6. BACKFILL ALL EXCAVATIONS FOR UTILITY PIPING OR STRUCTURE REMOVAL (MANHOLES, INLETS, ETC.) WITH STRUCTURAL FILL TO THE ROUGH GRADE ELEVATION SHOWN ON GRADING PLANS.
7. PROVIDE TEMPORARY STORM DRAINAGE PUMPING OR OTHER APPROVED STORM DRAIN DISPOSAL METHOD TO MAINTAIN DRAINAGE TO THE SITE DURING CONSTRUCTION.
8. MAINTAIN UTILITY SERVICE TO THE EXISTING BUILDING AT ALL TIMES UNLESS OTHERWISE COORDINATED.
9. ALL WORK WITHIN STREET ROW SHALL BE PER APWA STANDARD PLANS AND SPECIFICATIONS (2017 EDITION) AND CITY STANDARDS. OBTAIN CITY PERMIT PRIOR TO ANY WORK WITHIN CITY RIGHT OF WAY.
10. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. SUBGRADE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED AS OUTLINED IN SPEC SECTION WITH UP TO 2' OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OVER EXCAVATED SUBGRADE.
11. NEW UTILITIES SHALL BE INSTALLED AS REQUIRED TO MAINTAIN SERVICE TO EXISTING BUILDINGS. PRIOR TO REMOVAL OF EXISTING UTILITIES COORDINATE SERVICE INTERRUPTION AND REMOVAL OF UTILITIES WITH OWNER.
12. POT HOLE AND FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF ANY NEW UTILITY OR CONNECTION TO EXISTING UTILITIES.
13. PROVIDE TEMPORARY WATER CONNECTION FOR MAINTAINING IRRIGATION OF LANDSCAPE THAT IS TO REMAIN. REFER TO LANDSCAPE PLANS.
14. RAISE/LOWER EXISTING VALVES, V.H., ELECTRICAL AND MECHANICAL, VAULT HATCHES, AND UTILITY STRUCTURES WITHIN THE WORK AREA LIMITS TO NEW GRADES SHOWN ON GRADING PLAN.

#### SITE DEMOLITION PLAN NOTES

1. COORDINATE ALL UTILITY INFORMATION WITH OWNER. THE COORDINATES SHOWN ON THE PLANS ARE BASED ON SURVEY CONTROL AND TOPOGRAPHIC SURVEY COMPLETED BY MERIDIAN ENGINEERING. REFER TO EXISTING TOPOGRAPHIC PLAN FOR SURVEY CONTROL ON SHEET C200.
2. REFER TO SITE LAYOUT PLANS ON SHEET C200.
3. SIDEWALK REMOVAL AND REPLACEMENT TO BE AS INDICATED ON THE SITE PLAN AND WILL MATCH EXISTING SIDEWALK WIDTHS.
4. EXCAVATION ADJACENT TO TREES SHALL BE A MINIMUM OF 8' FROM THE CENTER OF THE TREE OR THE TREE DRIP LINE AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IF TREE ROOTS ARE ENCOUNTERED NEAR TREES TO REMAIN, COORDINATE TREE ROOT PRUNING WITH OWNER WHENEVER TREE ROOTS MAY BE ENCOUNTERED IN EXCAVATION. DO NOT COVER TREE ROOTS DAMAGED BY EXCAVATION NEAR TREE THAT ARE TO REMAIN. WHERE NECESSARY FOR EQUIPMENT OPERATION, TREE MAY BE TRIMMED. COORDINATE ANY TRIMMING OF TREES TO REMAIN WITH LANDSCAPE PLANS AND OWNER. HAND EXCAVATING FOR UTILITIES MAY BE NECESSARY TO KEEP TREES INDICATED TO BE PROTECTED IN PLACE.
5. ALL WORK WITHIN CITY ROAD ROW SHALL MEET CITY STANDARDS AND SPECIFICATIONS. OBTAIN CITY PERMIT PRIOR TO ANY WORK WITHIN CITY ROAD RIGHT OF WAY. OBTAIN ALL NECESSARY EXCAVATION PERMITS AND PROVIDE NECESSARY TRAFFIC CONTROL MEASURES PER CITY REQUIREMENTS.
6. REMOVE AND SALVAGE ALL SIGNS, BENCHES, AND EXTERIOR LIGHTS WITHIN THE PROJECT LIMITS. AFTER REMOVAL COORDINATE OWNER FOR PICKUP OF SIGNAGE OR OTHER SALVAGED ITEMS.
7. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. DAMAGE TO SOFT SUBGRADE AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED WITH UP TO 2' OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS.
8. PLACEMENT OF GRANULAR IMPORT MATERIALS MAY BE NECESSARY TO MAINTAIN CONSTRUCTION TRAFFIC PATHWAYS DURING WET PERIODS OF THE YEAR. CONTRACTOR IS REQUIRED TO MAINTAIN TRAFFIC PATHWAYS AT ALL TIMES DURING CONSTRUCTION AND REMOVE OR ADD TO THESE GRANULAR MATERIALS TO MEET THE GRADES NECESSARY TO OBTAIN THE GRADES SHOWN ON C200.
9. APPROXIMATE FOUNDATION EXCAVATION LIMIT LINE MAY BE EXTENDED WITH APPROVAL FROM THE OWNER. ANY AFFECTED IMPROVEMENTS IMPACTED SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. REFER TO BUILDING PLANS FOR APPLICABLE EXCAVATION LIMIT LINE FOR THE NEW BUILDING.
10. ALL SIGNS TO REMAIN UNLESS INDICATED ON THIS SHEET OR THE SITE PLAN.

## DEMOLITION LEGEND

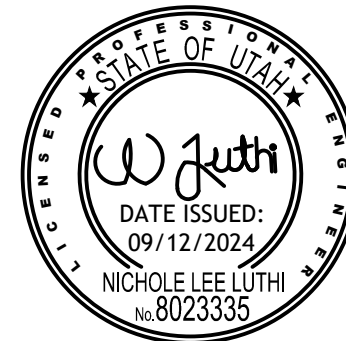
REMOVE TREES	X
REMOVE UTILITY STRUCTURES, LIGHTS, ETC.	XX
REMOVE UTILITY	--- XX --- XX --- XX ---
ABANDON UTILITY IN PLACE	~~~~~
PLUG AND CAP	J
REMOVE FENCING	----- X -----
REMOVE WALL, CURB, BORDERS AND GUTTER	+++++
SAWCUT	-----
PROJECT LIMIT LINE	-----
REMOVE EXISTING BUILDING	
REMOVE EXISTING ASPHALT	
REMOVE EXISTING CONCRETE	



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
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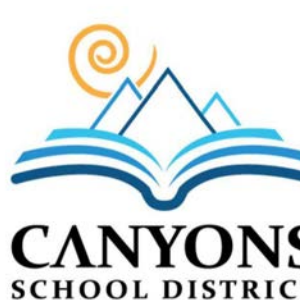
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#### CONSULTANT INFORMATION



#### OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**  
**BP-3**

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

#### REVISIONS

DESCRIPTION	DATE

#### PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: NLL  
PIC:

#### DRAWING SET STATUS

#### BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

#### SHEET TITLE

## DEMOLITION PLAN



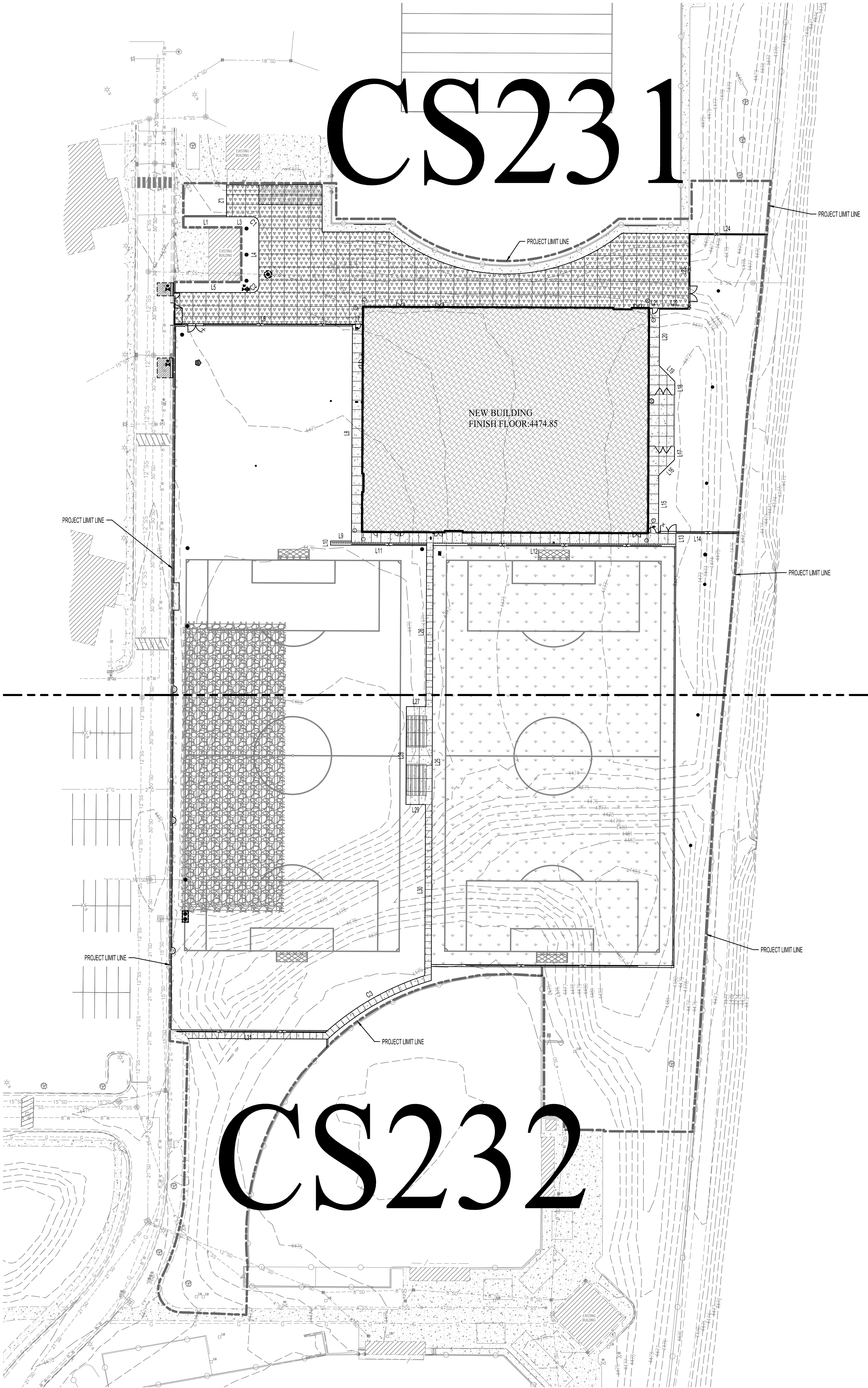
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**CS210**



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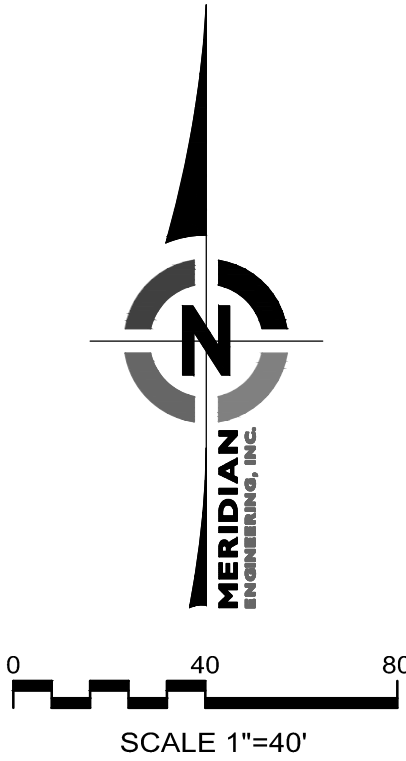


GENERAL SITE LAYOUT NOTES:

- REFER TO ELECTRICAL PLANS FOR TRANSFORMER LOCATIONS AND LIGHTING.
- REFER TO LANDSCAPE PLANS FOR LAYOUT OF PLANTINGS.
- VERIFY THE GRID DISTANCES SHOWN FOR BUILDING LOCATIONS WITH ARCH PLANS.
- ALL PAVEMENT REPAIR TO MEET REQUIREMENT STANDARD DETAILS ON C100.
- TRANSITION CURB FROM STANDARD CURB HEIGHT TO CURB TERMINATION OVER 8" MINIMUM AT ALL LOCATIONS.
- REPAIR/CONSTRUCT DRIVE APPROACHES PER CITY STANDARDS.
- CURVE AND LINE DATA IS BASED ON THE TOP BACK OF CURB AND FRONT OF SIDEWALK.
- CURVE AND LINE DATA TABLES SHOWN ON THIS SHEET.

HATCH LEGEND

	NEW VEHICULAR CONCRETE REFER TO DETAIL A ON SHEET C100		NEW BUILDING
	NEW SIDEWALK REFER TO DETAIL C ON SHEET C100		NEW UNDERGROUND DETENTION SYSTEM REFER TO SHEETS C100 AND C0400
	NEW 8" CURB REFER TO DETAIL D ON SHEET C100		NEW ARTIFICIAL TURF REFER TO TURF FIELDS PLANS
	NEW 24" CURB AND GUTTER REFER TO DETAIL E ON SHEET C100		NEW SURFACE UTILITIES REFER TO SHEET C000
	NEW INTEGRAL COLORED CONCRETE. BROWN FINISH. COLOR TO BE COORDINATED WITH OWNER.		NEW 8" CONCRETE WALL REFER TO STRUCTURAL PLANS
			NEW 18" CURB WITH SPORTS NETTING REFER TO LANDSCAPE PLANS



TBC Line Table		
L#	L	Bearing
L1	32.15	S89° 57' 00.21"W
L2	24.50	S0° 03' 05.43"E
L3	19.82	S89° 57' 00.21"W
L4	48.03	N0° 01' 09.67"E
L5	58.59	S89° 52' 37.97"E
L6	136.48	S89° 52' 30.71"E
L7	8.00	S89° 44' 22.41"E
L8	167.26	N0° 15' 37.59"E
L9	16.00	N89° 44' 22.41"W
L10	3.17	S0° 15' 37.59"W
L11	73.69	S89° 44' 22.41"E
L12	186.00	N89° 44' 22.35"W
L13	8.00	N0° 16' 41.02"E
L14	58.92	N89° 44' 22.41"W
L15	44.43	N0° 15' 37.59"E
L16	16.97	N45° 15' 42.59"E

TBC Line Table		
L#	L	Bearing
L17	10.00	N0° 15' 37.59"E
L18	10.00	S0° 15' 37.59"W
L19	16.97	S44° 44' 22.41"E
L20	44.24	S0° 15' 37.59"W
L21	8.00	N89° 44' 22.41"W
L22	22.33	N89° 44' 22.41"W
L23	57.22	S0° 15' 37.59"W
L24	58.18	S89° 44' 22.41"E
L25	334.75	N0° 15' 37.59"E
L26	124.67	S0° 15' 37.59"W
L27	15.00	N89° 44' 22.41"W
L28	75.00	S0° 15' 37.59"W
L29	15.00	S89° 44' 22.41"E
L30	131.11	S0° 15' 37.59"W
L31	113.76	N89° 44' 23.10"W

TBC Curve Table					
C#	L	R	Δ	Chord Bearing	Chord L
C1	7.86	5.00	090°04'09"	N45° 00' 55"W	7.08
C2	7.86	5.00	090°06'12"	N45° 04' 16"E	7.08
C3	88.36	208.29	024°18'22"	S60° 14' 36"W	87.70

233 SOUTH PLEASANT GROVE BLVD.  
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PROFESSIONAL STAMP

DATE ISSUED: 09/12/2024  
NICOLE LEE LUTH  
#023335

CONSULTANT INFORMATION

MERIDIAN ENGINEERING, INC.  
1405 SOUTH JORDAN, SUITE 400  
PHONE: (801) 606-7318 FAX: (801) 591-9119

OWNER INFORMATION

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD  
BP-3

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
Δ DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

DRAWING SET STATUS
BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

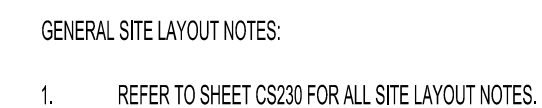
SHEET TITLE

OVERALL SITE  
LAYOUT PLAN


SHEET NUMBER  
CS230








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12943 SOUTH 700 EAST

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

**BID SET**

SHEET TITLE



CS231

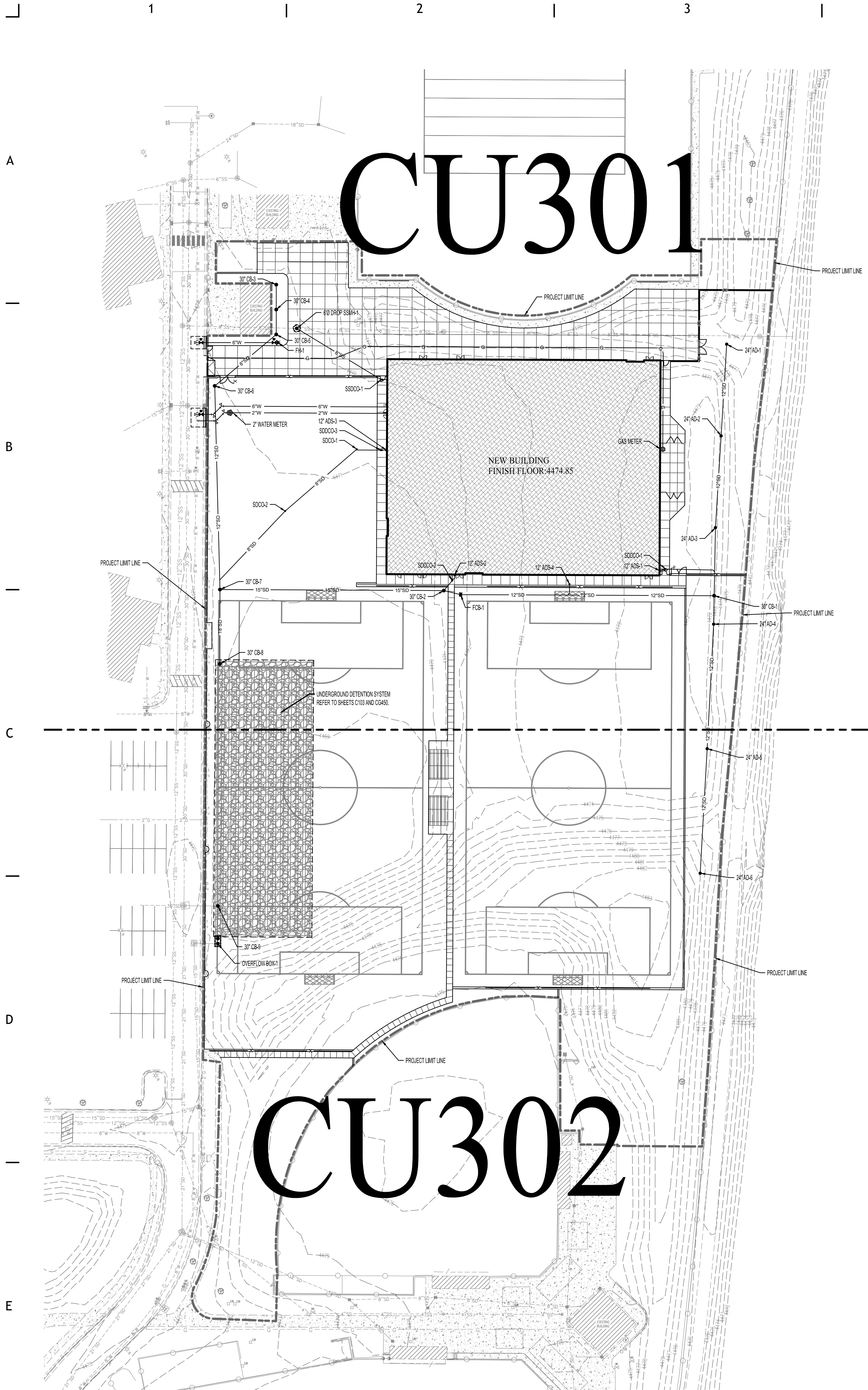
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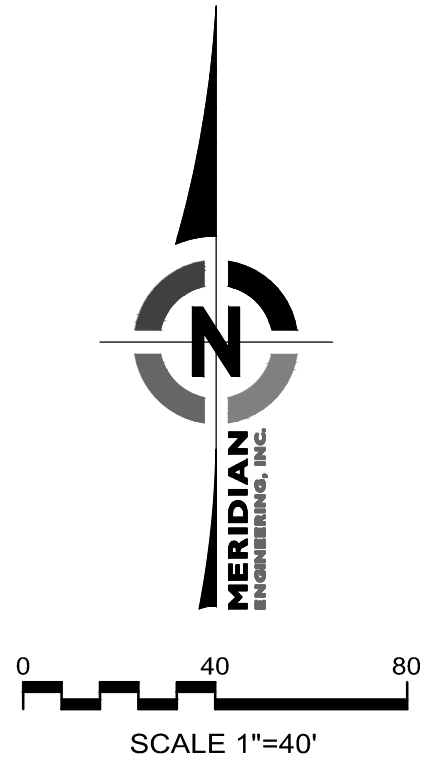




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STRUCTURE LABEL	DETAIL #
ADS - 12" DRAIN	DETAIL A SHEET C101
AD - 24" DRAIN	DETAIL B SHEET C101
CB - 30" CATCH BASIN	DETAIL C SHEET C101
OVERFLOW BOX	DETAIL D SHEET C101
SSCO & SSOD - STORM AND SEWER CLEANOUT	DETAIL F SHEET C101
DROP SSNH - SANITARY SEWER DROP MANHOLE	SSVD SS-SE SHEET C101
FH - FIRE HYDRANT	CITY DETAIL 3056 SHEET C102
Z" WATER METER	CITY DETAIL 3101 SHEET C102



#### GENERAL UTILITY NOTES:

- PLUMBING CONTRACTOR WILL TERMINATE THEIR ROOF DRAIN LINES WITH A CLEAN OUT APPROXIMATELY 5' FROM THE BUILDING. COORDINATE WITH PLUMBING CONTRACTOR ON SCHEDULE AND PLACEMENT OF ROOF DRAIN LINES NEAR THE BUILDING.
- ALIGN ALL INTERIOR AND EXTERIOR UTILITIES. SITE UTILITY CONTRACTOR TO COORDINATE PLACEMENT HORIZONTALLY AND VERTICALLY WITH BUILDING PLUMBING CONTRACTOR. SITE INTERFERENCE LINE BETWEEN THE BUILDING PLUMBING CONTRACTOR AND THE SITE UTILITY CONTRACTOR WILL BE AT 5' FROM THE BUILDING AND (EXCEPT FOR THE FIRE SPRINKLER LINE) A CLEAN OUT WILL BE INSTALLED BY THE PLUMBING CONTRACTOR APPROXIMATELY 5' FROM THE BUILDING FOR STORM DRAIN AND SEWER LINES. CONNECTION TO BUILDING PIPING AND ALL PIPING BEYOND THIS INTERFACE SHALL BE THE SITE UTILITY CONTRACTOR'S RESPONSIBILITY. PROVIDE REDUCERS, ADAPTERS, OR OTHER FITTINGS AS REQUIRED AT THE INTERFACE TO CONNECT TO BUILDING PIPE. COLLECT ROOF DRAIN LINES AS SHOWN AND ROUTE TO NEW CATCH BASINS OR CLEAN OUTS ON SITE. PREFERRED SLOPES, APPROXIMATE DISTANCES, AND INVERTS OF GRAVITY PIPING ARE SHOWN ON THE PLAN MAY REQUIRE ADJUSTMENT TO CONNECT TO BUILDING ROOF OR SEWER DRAIN LINES. MAINTAIN 2% SLOPE FOR 4" DIAMETER OR SMALLER PIPES, 1% FOR 6" AND 0.5% FOR 8" DIAMETER PIPES.
- ALL PROPOSED SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
- SITE CONTRACTOR SHALL COORDINATE WITH SOUTH VALLEY SEWER DISTRICT WHEN COMPLETING THE SEWER CONNECTION.
- SITE CONTRACTOR SHALL COORDINATE WITH DRAPER CITY INSPECTOR WHEN COMPLETING WATER CONNECTIONS IN CITY STREETS OR ON SITE WHERE REQUIRED.
- ALL CONSTRUCTION IN THE CULINARY WATERLINE AND SANITARY SEWER LINE PIPE ZONE SHALL COMPLY WITH ALL DRAPER CITY AND SOUTH VALLEY SEWER DISTRICT SPECIFICATIONS AND REQUIREMENTS. SEE GENERAL NOTES ON SHEET C100. WHERE THURST BLOCKING CANNOT BE COMPLETED DUE TO OTHER ADJACENT UTILITIES OR OTHER SITE CONSTRAINTS, RESTRAINED JOINTS WILL BE REQUIRED PER DRAPER CITY STANDARD SPEC'S. THURST BLOCK ALL WATERLINE FITTINGS PER DRAPER CITY STANDARDS TYP.
- COORDINATES FOR FIRE HYDRANTS, CURB INLETS, CATCH BASINS, OR CLEAN OUTS ARE AT THE CENTER OF THE UTILITY STRUCTURE. ALL STORM DRAIN BOXES ARE 3'X2' UNLESS OTHERWISE NOTED OR THOSE INLETS IN CURBS AND GUTTER.
- ALL VALVES, AREA CATCH BASINS (NOT IN C&G), CLEAN OUTS, OR MANHOLES SHALL HAVE CONCRETE GRADE ADJUSTMENT COLLARS PLACED PER DETAIL D ON C100.
- STORM DRAIN CLEAN OUTS TO BE SIMILAR TO DETAIL SHOWN ON PLUMBING PLANS AND SHALL BE EXTENDED TO GRADE. ALL EXTERIOR ROOF DRAIN PIPING TO BE CAST IRON/STL PIPE AND FITTINGS IN ACCORDANCE WITH ASTM A74.
- ROOF DRAIN CONNECTIONS AT CATCH BASINS OR CLEAN OUT BOXES TO BE CORE DRILLED AND EPOXY GROUTED INTO PRECAST BOXES DUE TO FIELD ADJUSTMENTS WHICH MAY BE NECESSARY TO CONNECT TO BUILDING PIPING. 3" 84" INTERIOR ROOF DRAIN PIPE TO BECOME 4" OR 6" STORM DRAIN PIPE. 5" 84" INTERIOR ROOF DRAIN PIPE TO BECOME 6" STORM DRAIN PIPE.
- THE FIRE SPRINKLER LINE SHALL BE ROUTED INTO THE FIRE SPRINKLER ROOM INSIDE THE BUILDING AND TERMINATE 12" ABOVE FINISH FLOOR WITH A 6" FLANGE, CAP WITH BLIND FLANGE FOR LINE TESTING. REFER TO PLUMBING PLANS FOR RISER LOCATION IN THE BUILDING. THE FIRE SERVICE LINE SHALL BE CEMENT LINED DUCTILE IRON PIPE (PER AWWA C151 350 PSI AND AWWA C100) WRAPPED IN POLYETHYLENE (PER AWWA C105) FROM THE BUILDING CONNECTION TO THE TEE AT THE FIRE LOOP CONNECTION PER CITY WATER STANDARD SPECIFICATIONS AND DETAILS.
- ALL CONSTRUCTION, PIPING MATERIALS AND INSTALLATION TO BE:

#### WATER LINES:

- 6" FIRE SPRINKLER LINE PER CITY STANDARD
- 2" POLY CONFORM TO DRAPER CITY STANDARDS
- 4", 6", AND 8" PVC AWWA C400 WITH CEMENT-MORTAR LINED DUCTILE IRON PIPE FITTINGS WRAPPED IN 10 MIL POLYETHYLENE SLEEVES PER AWWA AND CITY STANDARDS FOR FIRE SPRINKLER AND WATER LINES

#### SEWER LINES, MANHOLES, DROP MANHOLES, AND CLEANOUTS:

- APWA AND SEWER DISTRICT STANDARDS WITH STANDARD FITTINGS AND CLEANOUTS.
- PVC PIPE 6" TO 12" (SDR 35), USE 6" DI AT FITTING ON SERVICE LINES TO BUILDINGS REFER TO CLEAN OUT DETAILS.
- MANHOLES, DROP MANHOLES, AND CLEANOUTS TO SOUTH VALLEY SEWER DISTRICT STANDARDS. PVC PIPING, PRECAST MANHOLES.

#### STORM DRAIN:

- APWA AND DRAPER CITY STANDARD, RCP FOR 12" OR LARGER PIPE (CLASS III), SITE STORM DRAIN LINES 8" OR SMALLER TO BE PVC PIPE (SDR 35).
- SITE DRAIN PIPING HOPE FOR 12" OR LARGER (ADS OR APPROVED EQUIVALENT), EXCEPT WITH CITY ROW.

#### ROOF DRAIN PIPING:

- PROJECT PLUMBING SPECIFICATIONS, CAST IRON SOLID PIPE 4" TO 8" ROOF DRAIN PIPING WRAPPED IN POLYETHYLENE SLEEVES (PER AWWA C105).
- ROOF AND AREA DRAIN PIPING: 6" TO 8" PIPING PVC (SDR 35).
- 6" HOPE OR DWP PIPE (SCH 40) FROM DOWN SPOUT TO RO BOXES.

#### UNDERGROUND DETENTION SYSTEM:

- SEE DETAILS ON SHEET C103.

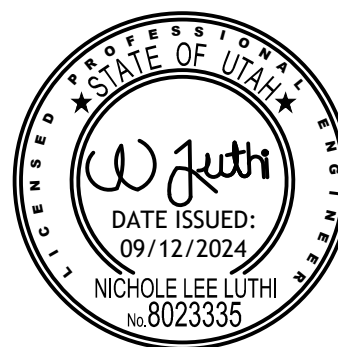
#### GAS LINE:

- COORDINATE WITH ENBRIDGE ENERGY.

- PROJECT SHALL COMPLY WITH ALL UTAH DIVISION OF DRINKING WATER RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE PERTAINING TO BACKFLOW PROTECTION AND CROSS CONNECTION PREVENTION. ANY NEW BACKFLOW DEVICES AND THE STOP AND WASTE VALVE ARE SHOWN ON THE LANDSCAPE DRAWINGS.
- INSPECTION AND APPROVAL FOR THE SEWER/WATER LINE CROSSINGS ON SITE SHALL BE REVIEWED AND APPROVED BY DRAPER CITY AND SOUTH VALLEY SEWER DISTRICT PRIOR TO CONSTRUCTION OF THE CROSSING. DRAPER CITY AND SOUTH VALLEY SEWER DISTRICT SHALL ALSO INSPECT THE CROSSING PRIOR TO BACKFILL.
- REFER TO SHEET C200 FOR PROJECT BASIS OF BEARING, BASIS OF COORDINATES AND BENCHMARK.
- ALL UTILITIES OUTSIDE OF PUBLIC R.O.W. ARE PRIVATELY OWNED AND SHALL BE MAINTAINED BY OWNER UNLESS NOTED OTHERWISE.
- POT HOLE AND FIELD VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- TEMPORARY PUMPING OF SANITARY SEWER MAY BE REQUIRED AS PORTIONS OF THE SYSTEM ARE REPLACED. BACKUP PUMPS AND POWER WILL BE REQUIRED WHERE PUMPING IS NECESSARY TO MAINTAIN SERVICE TO THE EXISTING BUILDING AT ALL TIMES DURING CONSTRUCTION.

- USE FLOWABLE FILL BETWEEN UTILITY CROSSINGS THAT ARE LESS THAN 12" SEPARATION. ALL GRAVITY LINES MUST BE INSTALLED BEFORE PRESSURIZED LINES.
- PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
- ALL FIRE SPRINKLER LINES SHALL HAVE 60" OF COVER MINIMUM. ALL OTHER WATER LINES INCLUDING EXISTING LINES TO HAVE 48" MINIMUM COVER.
- POT HOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO ROUTING ANY NEW UTILITIES. ALL NEW SEWER, DRAINAGE, OR OTHER GRAVITY LINES SHALL BE COMPLETED PRIOR TO ROUTING ANY PRESSURE LINES. WHERE EXISTING UTILITIES CONFLICT WITH NEW GRAVITY LINES, RAISE OR LOWER EXISTING UTILITIES TO ACCOMMODATE NEW GRAVITY LINES. PROVIDE 12" MIN. CLEARANCE BETWEEN WATER AND OTHER UTILITIES. WATER LINES SHALL NOT BE PLACED UNDER SEWER LINES AND SHALL HAVE A MINIMUM OF 18" CLEARANCE OF SEWER.
- THURST BLOCK ALL FITTINGS OR PROVIDE RESTRAINED JOINTS PER CITY STANDARDS. THE NEW 4" AND 6" CONNECTIONS TO THE NEW BUILDING WILL REQUIRE RESTRAINED JOINTS FOR MANY FITTINGS DUE TO LIMITED SPACE BETWEEN PIPES.
- COORDINATE WITH LANDSCAPE PLANS PRIOR TO COMPLETION OF PAVEMENT FOR INSTALLATION OF IRRIGATION SLEEVES ACROSS PAVING OR PARKING AREAS.
- WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE RAISED AND SLOPED TO ACCURATE FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE 4" WIDE AROUND THE UTILITY APPARATUS AND 1" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. REFER TO DETAIL ON SHEET C100. CONCRETE COLLARS TO BE USED IN ONLY ASPHALT PAVEMENT AREAS OR PAVEMENT AREAS.
- WHERE UTILITY LINES CROSS OR ARE ADJACENT TO SITE WALLS, WALL FOOTINGS SHALL STEP BELOW UTILITIES FOR WATER AND STORM DRAIN LINES THAT DO NOT HAVE 3' OF FILL BETWEEN THE BOTTOM OF THE NORMAL WALL FOOTING DEPTH (30" DEPTH) AND THE TOP OF PIPE REFER TO DETAIL ON STRUCTURAL PLANS FOR TYPICAL FOOTING STEP DETAIL. WHERE UTILITY LINES HAVE A MINIMUM OF 3' OF FILL BETWEEN THE TOP OF PIPE AND BOTTOM WALL FOOTING THE WALL FOOTING DOES NOT NEED TO STEP BELOW THE NORMAL 30" DEPTH.
- USE HS-20 SOLID COVERS ON ALL MANHOLES, CBs, AND ADS BOXES TO HAVE PEDESTRIAN TRAFFIC GRADED COVERS EXCEPT AS NOTED. ALL CB BOXES TO HAVE HS-20 FRAME AND GRATES.
- REPAIR PAVEMENT, AS WELL AS CURB AND GUTTER, AND SIDEWALKS WHERE UTILITIES CROSS INTO PUBLIC R.O.W. TO MAINTAIN TRAFFIC THROUGH THESE AREAS. ALL REPAIR IN PUBLIC R.O.W. TO MEET APWA AND CITY STANDARDS.
- SET NEW UTILITY MANHOLE OR STRUCTURE OVER EXISTING PIPING WHERE NEW AND EXISTING PIPING CONNECT. RECONNECT ALL EXISTING PIPING TO NEW STRUCTURES. PROVIDE NEW SECTIONS OF PIPE IF NECESSARY TO RECONNECT ALL PIPING TO THE NEW UTILITY STRUCTURES.
- GAS LINE CONSTRUCTION TO THE BUILDING METER WILL BE COMPLETED BY ENBRIDGE ENERGY. COORDINATE GAS INSTALLATION WITH ENBRIDGE ENERGY.
- 8"X26" WYE FITTINGS FOR ROOF DRAIN OR OTHER WYE CONNECTIONS TO THE 6" OR 8" PVC DRAIN LINES TO BE DI FITTINGS WRAPPED IN 10 MIL POLYETHYLENE (PER AWWA C105). PLACE CONCRETE ON WYE FITTING SIMILAR TO THE CLEANOUT DETAIL (DETAIL F ON SHEET C101).
- ALL CB TO HAVE LOCKED DOWN GRATES IN DETENTION SYSTEM AREAS.
- CONTRACTOR RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS AND INSPECTIONS WHILE WORKING IN THE PUBLIC RIGHT OF WAY.
- PROJECT LOCATED IN FEMA FLOOD PLAIN ZONE X, 480303063H EFFECTIVE 11/19/2021.
- VALVES ATTACH DIRECTLY TO TEE FITTINGS. "FL" INDICATES FLANGE FITTING AND "M" INDICATES MECHANICAL JOINT FITTING. ALL VALVING WILL CONNECT TO MAIN LINE PIPE WITH FLANGE FITTINGS. MAIN LINE FITTINGS CONNECTING TO VALVES WILL ALSO BE FLANGE FITTINGS. WRAP AND GREASE ALL FITTINGS PER SPECIFICATIONS AND NOTES.
- USE MECHANICAL JOINTS FOR EACH PIPE JOINT ON THE SEWER LINE FROM THE BUILDING CONNECTION TO 10' NORTH OF THE GEOTHERMAL LINES CROSSING. PIPE ZONE MATERIAL TO BE CONCRETE FILL FOR THE SEWER LINE (SEE SHEET C301), AND FLOW FILL FOR THE WATER AND GEOTHERMAL LINE WITHIN 10' OF THE SEWER LINE CROSSING. POLYETHYLENE ENCASEMENT (BUILT) FOR ALL MECHANICAL JOINTS.
- ALL MANHOLES (BOTH SEWER AND STORM) TO BE 4' IN DIAMETER UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL MAINTAIN 10 FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER AND CULINARY WATER LINES. FOLLOW CITY STANDARDS FOR ALL WATER/SEWER CROSSINGS.
- SPOT ELEVATION PREFIX OF 45 OR 44 HAS BEEN DROPPED FROM THE ELEVATIONS I.E. ELEVATION 00.00 = 4500.00 AND 96.50 = 4496.50.

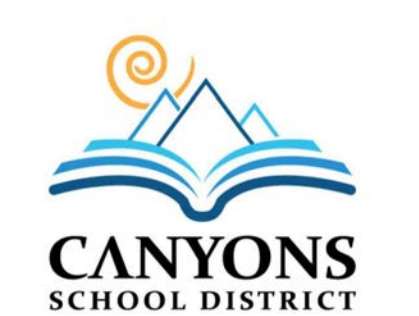
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#### CONSULTANT INFORMATION



#### OWNER INFORMATION



#### REVISIONS

DESCRIPTION	DATE

#### PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	NLL
PIC:	

#### DRAWING SET STATUS

#### BID SET

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#### SHEET TITLE

#### OVERALL UTILITY PLAN

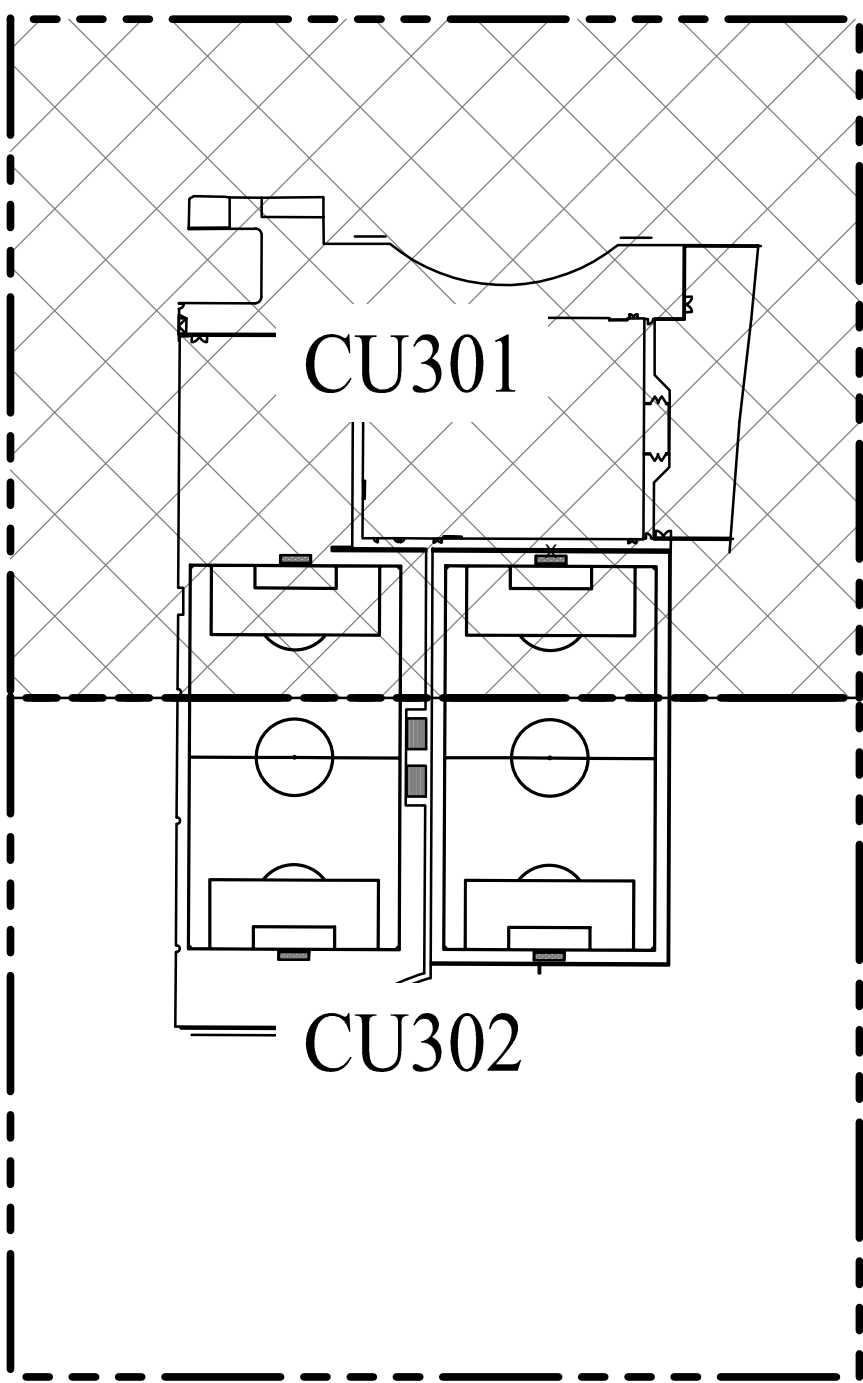
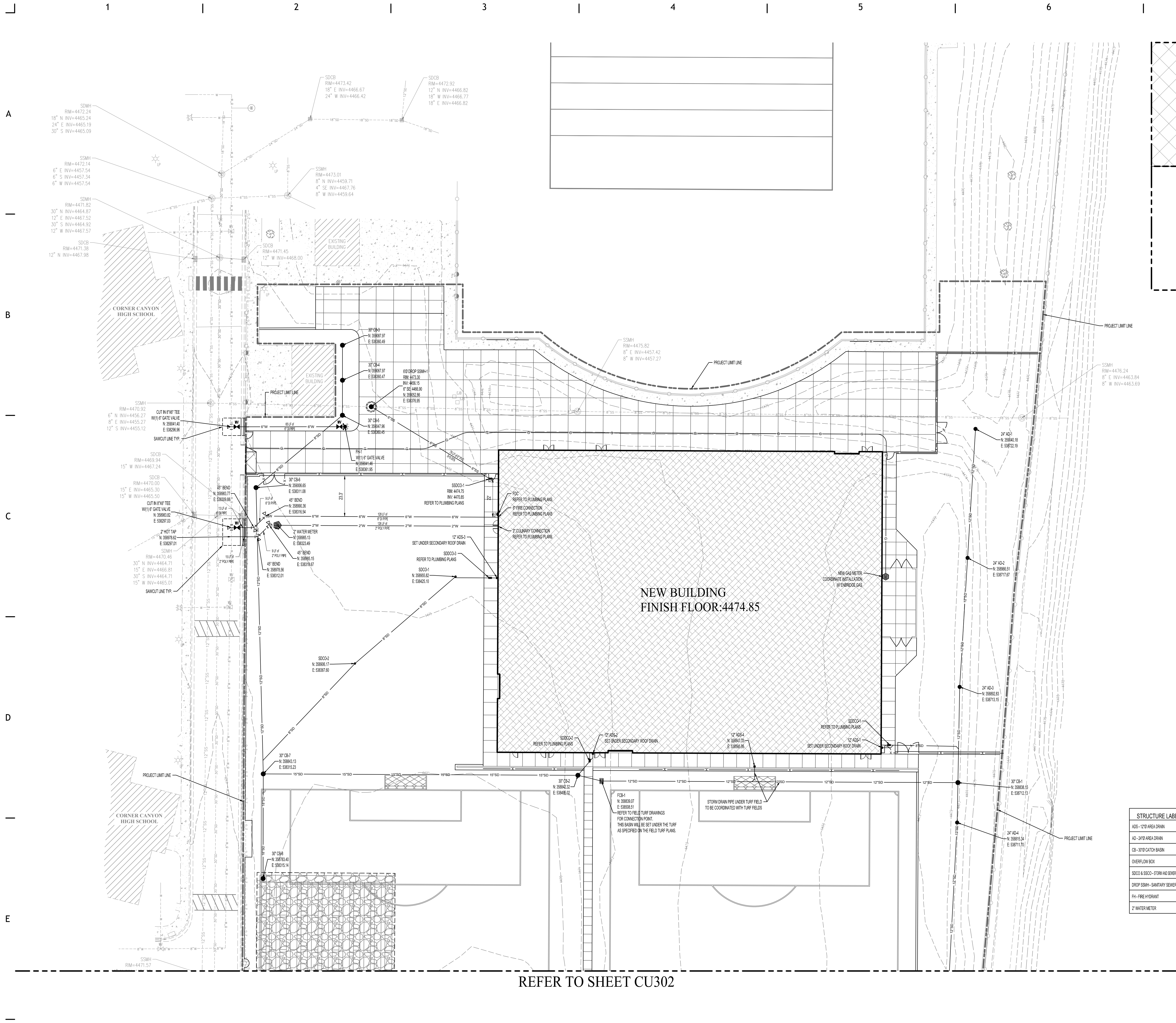
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**CU300**

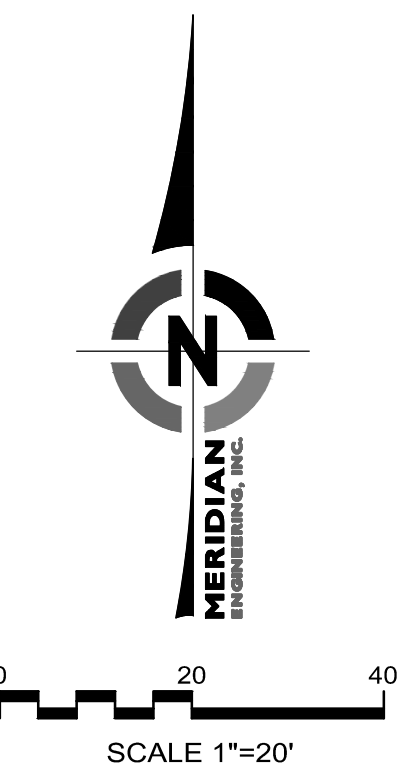




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KEYMAP



GENERAL UTILITY NOTES:  
1. REFER TO SHEET CU000 FOR ALL UTILITY NOTES.

STRUCTURE LABEL	DETAIL #
ADS - 12" AREA DRAIN	DETAIL A SHEET C101
AD - 24" AREA DRAIN	DETAIL B SHEET C101
CB - 30" CATCH BASIN	DETAIL C SHEET C101
OVERFLOW BOX	DETAIL D SHEET C101
SSCO & SSOD - STORM AND SEWER CLEINOUT	DETAIL F SHEET C101
DROP SSMH - SANITARY SEWER DROP MANHOLE	SVSD SS-2E SHEET C101
FH - FIRE HYDRANT	CITY DETAIL 3050 SHEET C102
2" WATER METER	CITY DETAIL 3101 SHEET C102

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OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

BP-3

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024

PROJECT #: 23-013

PM / PA: NLL

PIC:

DRAWING SET STATUS

BID SET

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SHEET TITLE

ENLARGED UTILITY PLAN

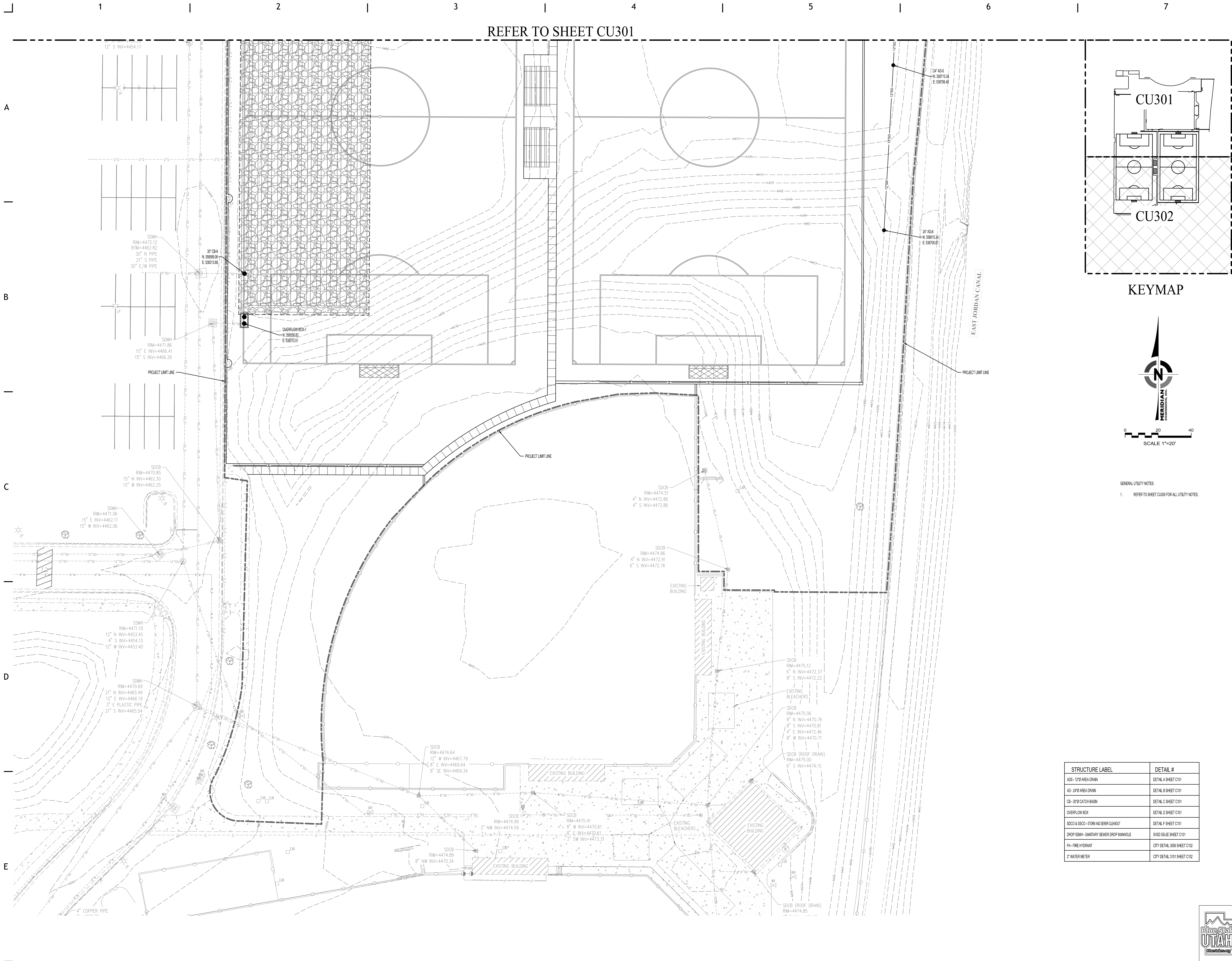
SHEET NUMBER

CU301





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233 SOUTH PLEASANT GROVE BLVD.  
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CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**  
**BP-3**  
12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: NULL  
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DRAWING SET STATUS  
**BID SET**

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SHEET TITLE

ENLARGED  
UTILITY PLAN

SHEET NUMBER  
**CU302**





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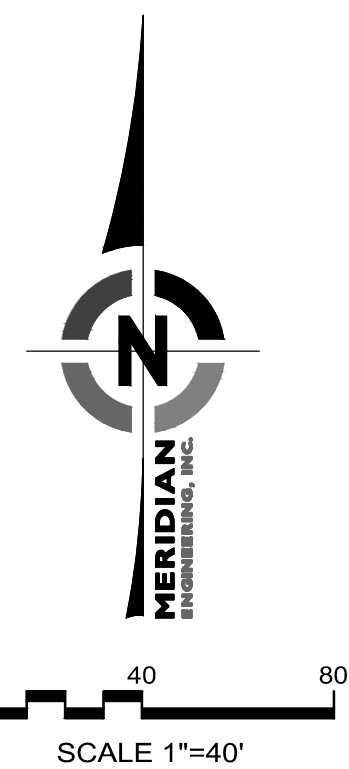
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CG401

CG402



GENERAL GRADING NOTES:

1. CONTOURS OF THE SITE ARE BASED ON A SURVEY BY MERIDIAN ENGINEERING. REFER TO SHEET C200 FOR PROJECT BENCH MARK AND BASIS OF BEARING.
2. PROVIDE APPROVED SILT PROTECTION FOR ALL NEW AND EXISTING CATCH BASINS UNTIL LANDSCAPING IS WELL ESTABLISHED AND PARKING IS COMPLETE. THE PIPING SYSTEM SHALL BE CLEANED OUT BEFORE FINAL APPROVAL. USE MRF#1 "DANDY BAG" OR ANOTHER APPROVED EQUIVALENT FOR EXISTING INLET PROTECTION. REFER TO SHEET C500 AND C510.
3. DIMENSIONS OR COORDINATES ARE TO THE CENTER OF CATCH BASINS FOR AREA INLETS AND AT THE CENTER OF THE CATCH BASIN AT TBC FOR INLETS IN CURB AND GUTTER.
4. ALL WALKWAYS SHALL NOT EXCEED 5% SLOPE. THE PERPENDICULAR CROSS SLOPE TO NOT EXCEED 2% MAX. SLOPE FOR WALKWAYS 2% MAX. FROM BUILDING OR STAIR RISERS FOR 5' MINIMUM. ALSO SLOPE 2% MAX FOR 5' AT THE END OF THE 1:12 SLOPE OF ALL H.C. RAMPS.
5. REFER TO SITE LAYOUT PLAN ON SHEET C320.
6. PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
7. "TBC" IS TOP BACK OF CURB ELEVATIONS. "FS" IS FINISH SURFACE ELEVATIONS. "TOC" IS TOP OF CONCRETE ELEVATIONS. "TOW" IS TOP OF WALL ELEVATIONS. "BOT" IS FINISH SURFACE AT BOTTOM OF WALL ELEVATIONS. "FL" IS FLOW LINE.
8. TRANSITION FACE OF CURB TO BE FLUSH TO ADJACENT FINISHED SURFACE WHERE INDICATED BY "TBC/FS" TO FULL HEIGHT OVER 5' (MIN).
9. PLACE CONCRETE COLLAR AROUND ALL NEW CATCH BASINS OR CLEANOUTS (NOT IN CURB AND GUTTER). COLLAR TO BE 1" MINIMUM WIDTH AND SHALL BE 8" MINIMUM THICKNESS. PLACE 2 #4 BARS AROUND OPENING. SEE DETAIL ON SHEET C100.
10. REFER TO SHEET C100 AND C210 FOR REQUIRED PAVEMENT SECTIONS.
11. ALL STORM WATER TO BE DETAINED ONSITE USING 2.20 CPS RELEASE FLOW (PER SHEET C3) (DATED DECEMBER 2014 PLANS) FOR THE 10-YEAR STORM EVENT.
12. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED AS OUTLINED IN THE SPEC SECTION WITH UP TO 2" OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE.
13. SITE SOILS MAY NOT SUPPORT CONSTRUCTION TRAFFIC DURING WET PERIODS OF THE YEAR. CONTRACTOR WILL BE RESPONSIBLE TO PLACE GRANULAR FILL AND/OR CORBLE MATERIALS AS NECESSARY TO MAINTAIN ACCESS TO THE SITE OR BUILDING THROUGHOUT THE CONSTRUCTION SITE AT ALL TIMES. EXCESS MATERIAL SHALL BE REMOVED AS REQUIRED TO COMPLETE THE SITE TO THE GRADES SHOWN ON GRADING PLANS. ALSO REFER TO GEOTECHNICAL INVESTIGATION SHEETS FOR SITE SOIL PREPARATION REQUIREMENTS.
14. PROVIDE TEMPORARY STORM DRAIN PUMPING, PONDING, BERMING, PIPING AND INLETS OR OTHER MEASURES TO RETAIN CONSTRUCTION STORM DRAIN RUNOFF ON SITE DURING CONSTRUCTION UNTIL THE NEW SYSTEM IS OPERATIONAL. ALL CONSTRUCTION SITE RUNOFF TO HAVE HEAVY SEDIMENT REMOVED PRIOR TO RELEASING TO EXISTING SITE DRAIN SYSTEM. PROTECT ADJACENT BUILDING FROM CONSTRUCTION RUNOFF AT ALL TIMES.
15. THERE SHOULD BE NO STANDING WATER ONSITE. ALL STORM WATER SHALL DRAIN TO AN INLET OR AREA DRAIN. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF ANY LOW SPOTS THAT DO NOT DRAIN ARE ENCOUNTERED. A WATER TEST WILL BE PERFORMED BY THE CONTRACTOR WITH THE ENGINEER OF RECORD IN ATTENDANCE OR A SURVEY OF THE NEW IMPROVEMENTS PROVIDED TO THE ENGINEER AT COMPLETION OF THE PROJECT TO VERIFY THAT ALL STORM DRAIN WATER DRAINS AS DESIGNED.
16. ALL "MATCH" LOCATIONS INDICATE THAT THE CONTRACTOR IS TO MATCH THE EXISTING GRADE. AN APPROXIMATE ESTIMATE IS PROVIDED BY THE ENGINEER BASED ON AN INTERPOLATION OF NEAREST SPOT ELEVATIONS PROVIDED BY THE SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE ELEVATIONS. IF THE ELEVATION PROVIDED BY THE ENGINEER VARIES GREATLY FROM THE ACTUAL ELEVATION FOUND BY THE CONTRACTOR THE CONTRACTOR IS TO NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN PROVIDE FURTHER DIRECTION.
17. GRADE UNIFORMLY BETWEEN SPOT ELEVATIONS AND CONTOURS UNLESS NOTED OTHERWISE. IF ANY QUESTIONS ARISE ABOUT THE PROPOSED GRADING SHOWN ON PLANS CONTACT THE ENGINEER OF RECORD BEFORE FIELD GRADING.
18. MAINTAIN DRAINAGE FROM EXISTING STORM DRAIN LINES OFFSITE THAT ROUTE THROUGH THE DETENTION BASIN ONSITE DURING CONSTRUCTION OF ALL PHASES. PROVIDE TEMPORARY MEASURES OF NEW PIPING, PUMPING, OR OTHER METHODS TO MAINTAIN DRAINAGE FROM ALL EXISTING STORM DRAINS WHILE NEW PIPING SYSTEMS OUTFALLS ARE COMPLETED.
19. REMOVE ALL CLAY MATERIALS FROM UNDER BUILDINGS AND ARTIFICIAL TURF AS OUTLINED IN THE SPECIFICATIONS. UNDER NEW PAVEMENT REMOVE A MINIMUM OF 12" OF CLAY LAYER AND REPLACE WITH GRANULAR FILL AS OUTLINED IN THE PAVEMENT DETAILS ON C100 AND THE EARTH MOVING SPECIFICATION. ALL UTILITIES TRENCHES TO BE BACKFILLED WITH GRANULAR BACKFILL PER TRENCH DETAIL ON C100.
20. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL STUDY REFERENCED IN PLAN SET. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS BEING PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOIL REPORT.
21. ADS INJECTION MOLDED 45° REDUCER WYE (OR APP EQUIVALENT) FLOWABLE FILL TO BE PLACED AROUND EACH WYE CONNECTION, TYP.
22. NO STORM WATER TO ENTER THE DETENTION SYSTEM UNTIL THE PIPING SYSTEM AND PRE-TREATMENT INLET HAS BEEN INSTALLED. CONTRACTOR TO CLEAN ENTIRE SYSTEM BEFORE IT IS ATTACHED TO THE DETENTION BASIN.
23. NOTIFY ENGINEER OF RECORD IF THERE ARE ANY CONFLICTS WITH UTILITY LINES OR IF ASSUMED INVERTS VARY. FOR FURTHER COORDINATION, SEWER AND WATER LINES TO HAVE 18" SEPARATION WITH WATER OVER SEWER. ALL OTHER UTILITIES TO HAVE 12" SEPARATION MIN. IF 12" SEPARATION CANNOT BE ACHIEVED UTILITIES TO HAVE FLOWABLE FILL BETWEEN THE UTILITY LINES 5' EACH WAY.
24. CONTRACTOR IS RESPONSIBLE TO INFORM THE ENGINEER OF RECORD IF THE GRADES SHOWN ON THE SURVEY DO NOT MEET THE ACTUAL GRADES IN THE FIELD.
25. ALL STRUCTURE LIDS WITHIN THE PROJECT LIMITS WILL NEED TO HAVE THEIR GRADE ADJUSTED. WATER VALVES, SEWER MANHOLES, STORM DRAIN INLETS OR CLEANOUT BOXES, AND OTHER SURFACE UTILITY ACCESSORIES SHALL BE PARALLEL AND SLOPED TO ADJACENT FINISH SURFACE BY A CONCRETE GRADE COLLAR IN PAVEMENT. COLLAR SHALL BE 12" WIDE AROUND THE UTILITY APPARATUS AND 8" MINIMUM THICKNESS. PLACE 2 #4 REBAR HOOPS IN COLLAR. CONCRETE COLLARS TO BE USED ONLY IN ASPHALT/CONCRETE AREAS.
26. REMOVE AND REPLACE ANY DAMAGED CURB, GUTTER, OR SIDEWALK ALONG FRONTAGE BEFORE FINAL INSPECTION.
27. ALL GUTTERS TO SLOPE 0.5% MINIMUM TOWARDS CURB INLET BOX. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF THE PROPOSED GRADE DOES NOT MEET 0.5% SLOPE IN GUTTER.
28. SPOT ELEVATION PREFIX OF 45 OR 44 HAS BEEN DROPPED FROM THE ELEVATIONS (E: ELEVATION 40.00 = 400.00 AND 96.50 = 4496.50).
29. 30 MIL PVC IMPERMEABLE LINER REQUIRED FOR DETENTION SYSTEM LINER TO BE PVC WELDED ON SITE AND TESTED FOR WATER TIGHTNESS BEFORE BEING BURIED. REFER TO ADS DETAILS ON SHEET C103.

THE CONTRACTOR TO SCHEDULE THE ENGINEER OF RECORD IN WRITING 3 DAYS MINIMUM BEFORE PLACEMENT OF CONCRETE DURING PLATWORK OR ASPHALT PAVING. ALL AREAS MUST BE FORMED AND HAVE COMPACTED BASE COURSE IN PLACE FOR THE ENGINEER TO COMPLETE A RANDOM SPOT GRADE CHECK BEFORE ASPHALT AND CONCRETE CONSTRUCTION. THE RANDOM GRADE CHECKS ARE FOR GENERAL CONFORMANCE TO SLOPES AND GRADING SHOWN ON PLANS USING A SMART LEVEL. RANDOM CHECKS DO NOT ALLEVATE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GRADING IS IN CONFORMANCE WITH PLANS AND SPECIFICATIONS AND SATISFY PERFORMANCE OF HIS WORK. WITHIN 2 DAYS OF THE RANDOM SPOT CHECK, RESULTS OF THE SPOT CHECKS AND AREAS OF NON-COMPLIANCE WILL BE PROVIDED TO THE CONTRACTOR AND ARCHITECT.

GRADING LEGEND

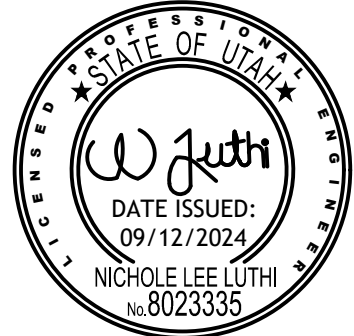
- MAJOR CONTOUR
- MINOR CONTOUR
- HALF FOOT CONTOUR



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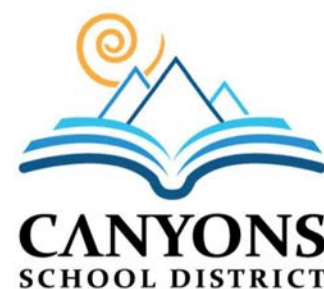
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CONSULTANT INFORMATION



OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**  
**BP-3**

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: NULL  
PIC:

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

OVERALL  
GRADING PLAN

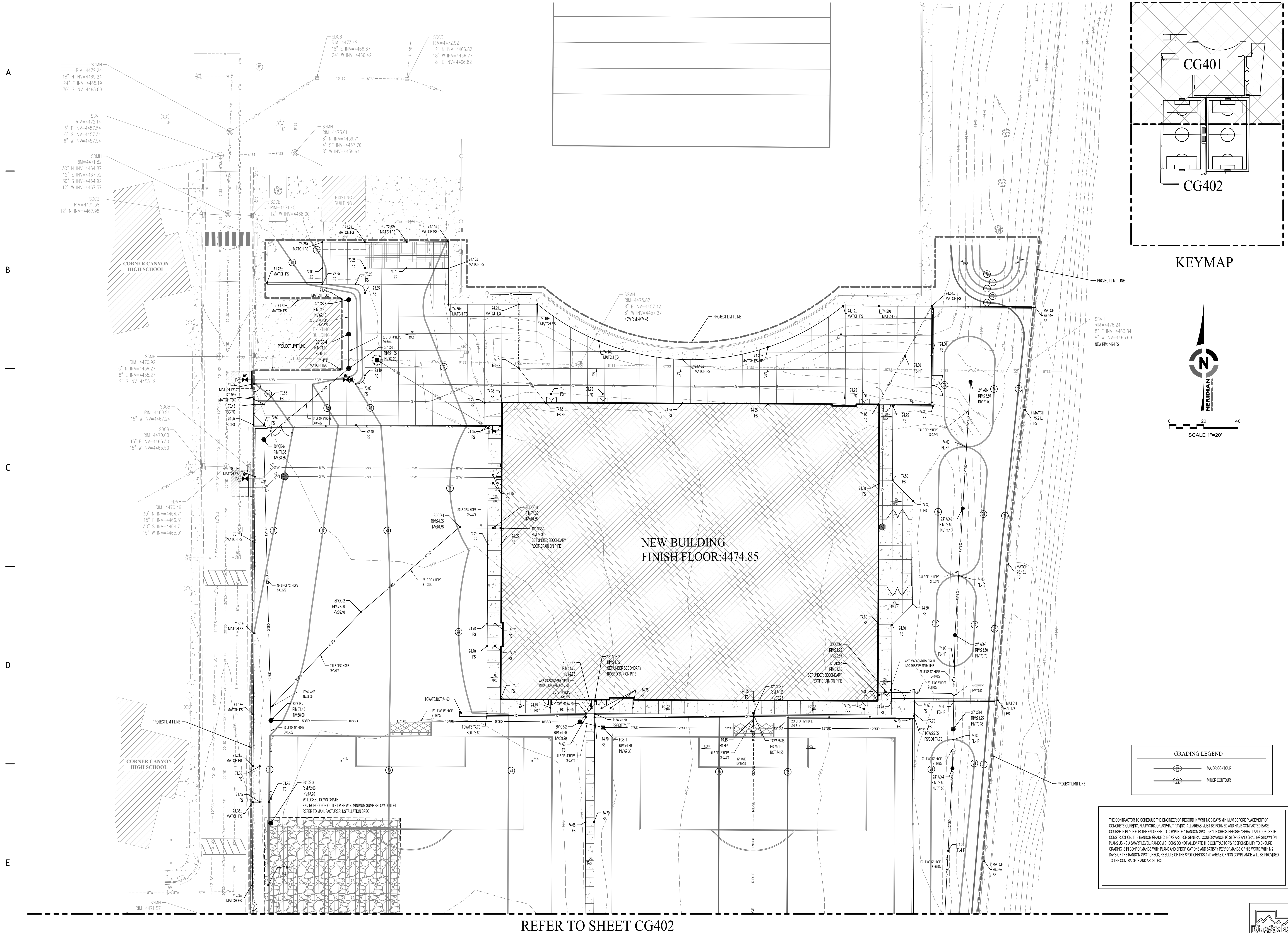


SHEET NUMBER

CG400



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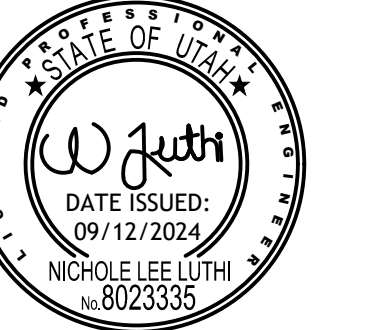
REFER TO SHEET CG402



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PIC:

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BID SET

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SHEET TITLE

ENLARGED  
GRADING PLAN

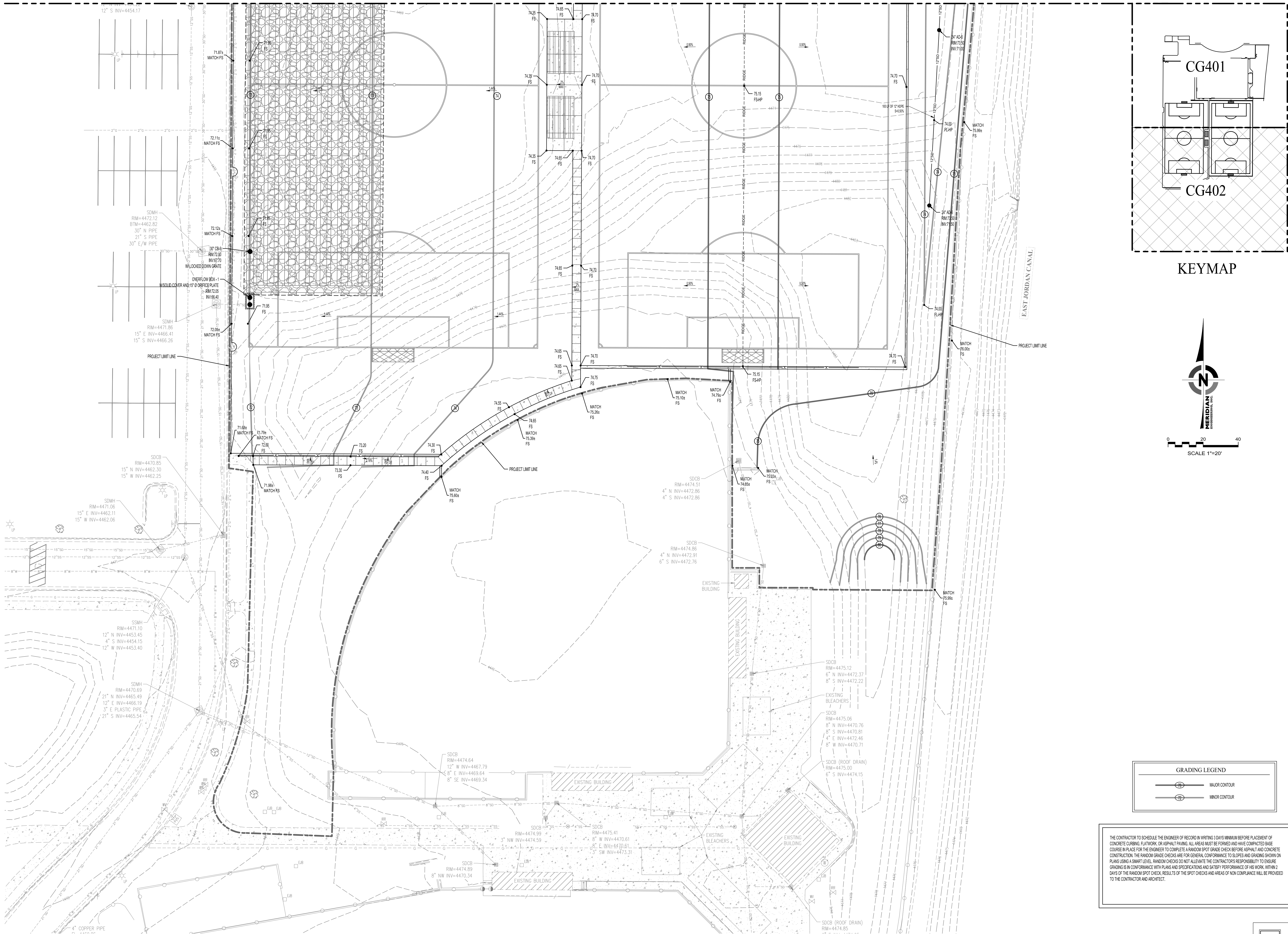
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CG401



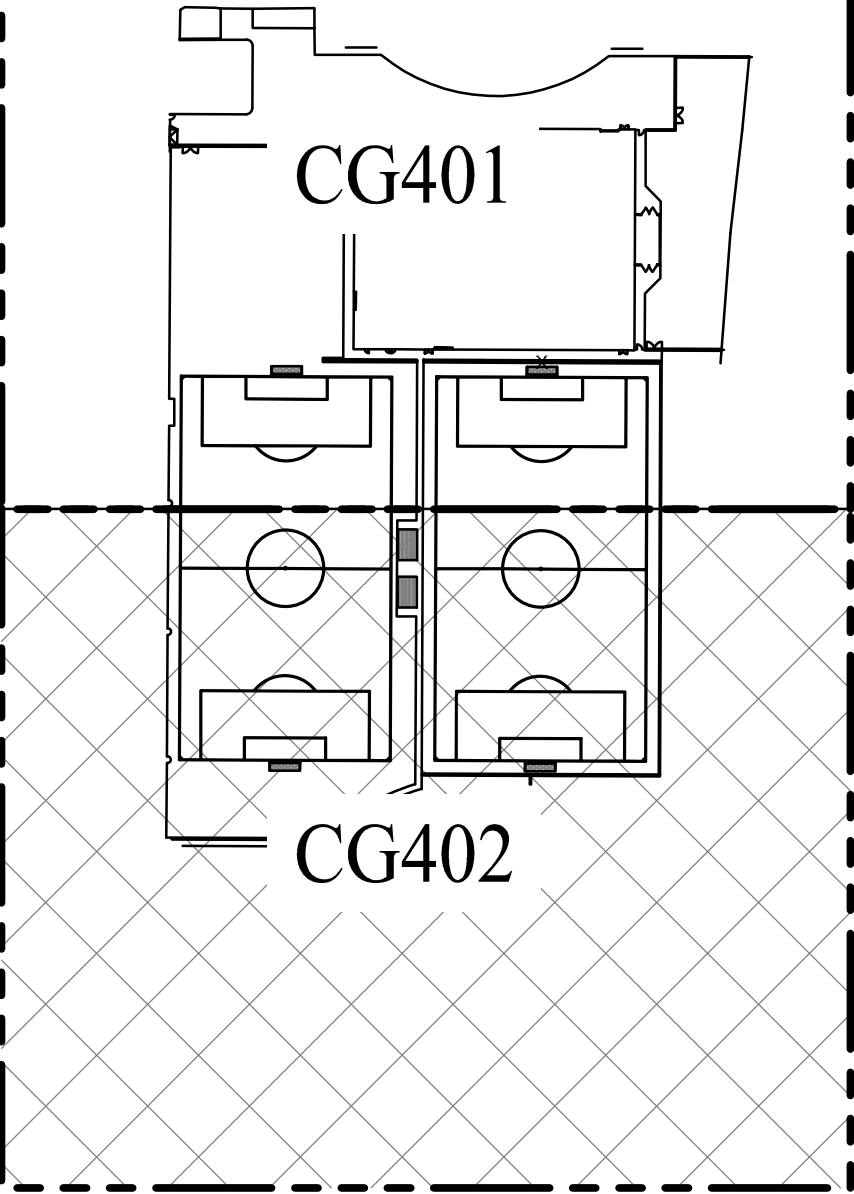


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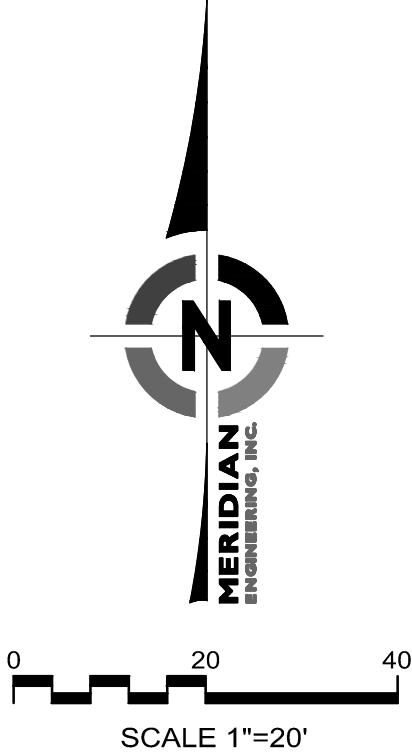


GRADING LEGEND	
	MAJOR CONTOUR
	MINOR CONTOUR

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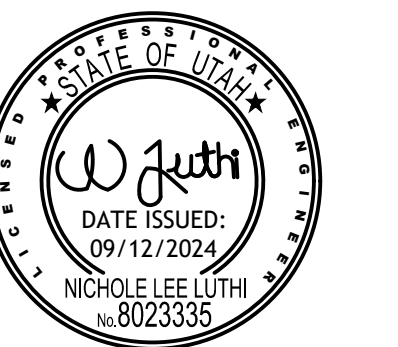
KEYMAP



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PROJECT TITLE AND ADDRESS  
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**BP-3**  
12943 SOUTH 700 EAST  
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REVISIONS

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PIC:

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BID SET

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SHEET TITLE

ENLARGED  
GRADING PLAN

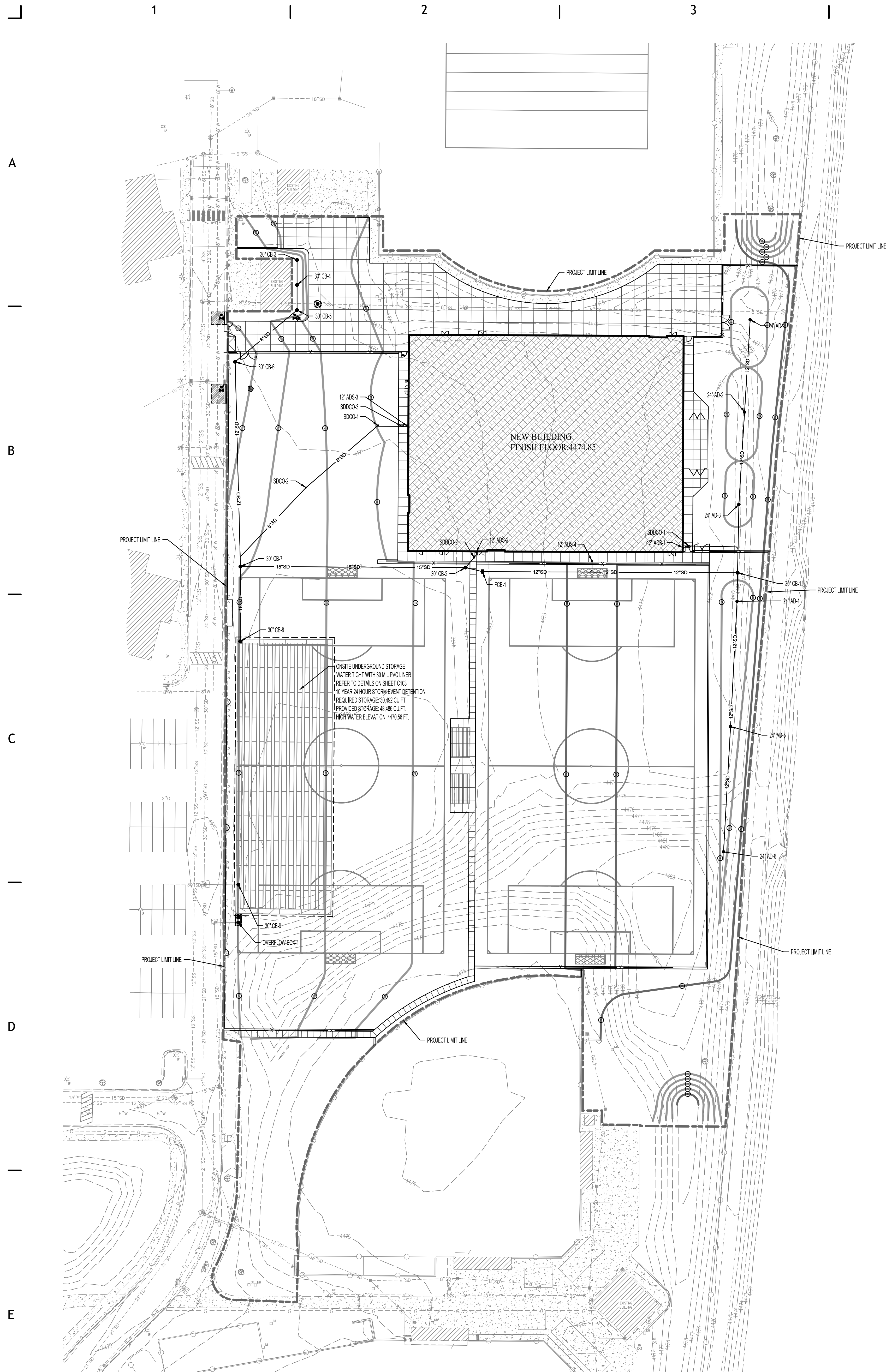


SHEET NUMBER

**CG402**



Autodesk Draw: /24/013 CCHS Fieldhouse & Soccer Field/24/013 CCHS Fieldhouse & Soccer Field.rvt  
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NOTES:

- SEDIMENT WILL NOT BE ALLOWED INTO DETENTION SYSTEM DURING CONSTRUCTION AND DURING LANDSCAPE STABILIZATION OF SOILS. CONTRACTOR WILL BE REQUIRED TO CLEAN OR REPLACE RETENTION BASINS THAT ARE NOT MAINTAINED FREE OF SEDIMENT DURING CONSTRUCTION AND DURING ESTABLISHMENT OF ALL LANDSCAPED AREAS.
- APPROXIMATED A 10-YEAR 24-HOUR STORM EVENT IS TO BE DETAINED UNDERGROUND.
- TR-55 CALCULATIONS SHOWN IN THIS SHEET, HOWEVER, THE DESIGN FOR THE DETENTION SYSTEM USED RATIONAL METHOD, WHICH CONSERVATIVELY ACCOUNTS FOR THE VOLUME EXPECTED IN THE TR-55 METHOD.
- HYDROLOGIC MODEL OF THE PROJECT WAS COMPETED USING HYDROLOGIC MODELING SYSTEM (HEC-HMS) VERSION 4.9, BUILD 2844, DATE 12SEP2024.

Date: 12-Sep-24  
Project Location: CDS Corner Canyon HS Fieldhouse  
Location: Basin 1  
Method: Rational

Allowable Release Flow: 2.20 cfs City Connection

Existing Improvements:  
This reflects all areas indicated on sheet C31 minus original A-13. Plus the new improvements (dated December 2014 )

Drainage Area	Area (acres)	C	CA
A-1	0.94	0.62	0.58
A-2	0.33	0.86	0.28
A-3	0.41	0.87	0.36
A-4	0.54	0.86	0.46
A-5	0.25	0.59	0.15
A-6	0.20	0.69	0.14
A-7	5.46	3.82	2.09
A-8	0.30	0.64	0.19
A-9	2.47	0.50	1.24
A-10	5.60	0.82	4.59
A-11	0.52	0.51	0.27
A-12	7.42	0.30	2.23
A-13 - updated	6.15	0.62	3.19
Total:	30.59	0.57	17.49

New Improvements:

		Runoff Coefficients
New Landscape Area	140,361 SF	C = 0.20
New Paved Area	30,262 SF	C = 0.90
New Building Area	37,825 SF	C = 0.95
Others:	59,361 SF	C = 0.80
Total Area:	267,829 SF	Weighted C = 0.52
Total Area:	6.15 AC	

Combined Required Detention:

This reflects all areas indicated on sheet C31 minus original A-13 (dated December 2014 ). Plus the new improvements.

Lapsed Time Minutes	Accum. Rainfall Inches (10 yr)	"CA" Acre	Total Runoff Vol. CF	Discharge CF	Req'd Storage CF
15	0.532	17.49	33498	1980	31518
30	0.716	17.49	45084	3960	41124
60	0.987	17.49	55951	7920	47931
120	1.010	17.49	63696	15840	47766
180	1.090	17.49	68633	23760	44873
360	1.330	17.49	83745	47520	36225
720	1.640	17.49	103264	95040	8224
1440	1.780	17.49	112080	190080	0

COMBINED REQUIRED DETENTION STORAGE: 47,931 CF (10 yr)

Lapsed Time Minutes	Accum. Rainfall Inches (100 yr)	"CA" Acre	Total Runoff Vol. CF	Discharge CF	Req'd Storage CF
15	1.04	17.49	65485	1980	63505
30	1.41	17.49	88782	3960	84822
60	1.74	17.49	109561	7920	101641
120	1.90	17.49	119636	15840	103796
180	1.93	17.49	121525	23760	97765
360	2.09	17.49	131599	47520	84079
720	2.48	17.49	156156	95040	61116
1440	2.50	17.49	157415	190080	0

Underground Detention System Volume: Total: 48,486 CF

COMBINED DETENTION STORAGE PROVIDED: 48,486 CF (10 yr)

Orifice Calculation

Area: 30.59 Acre  
Discharge Rate: 0.36 cfs/acre  
Qp = 10.96 cfs  
H = 5.65 ft  
A = 0.9565 Sq Ft  
D = 137.7 Sq In  
13 2/8 In

USE A 7" ORIFICE

HEC SUMMARY TABLE
HIGHWATER: 4470.56 FT
PIPE INVERT: 4465.40 FT
PEAK ELEVATION: 4468.70 FT
TOTAL STORAGE: 0.7 AC-FT
30,492 CUBIC FEET

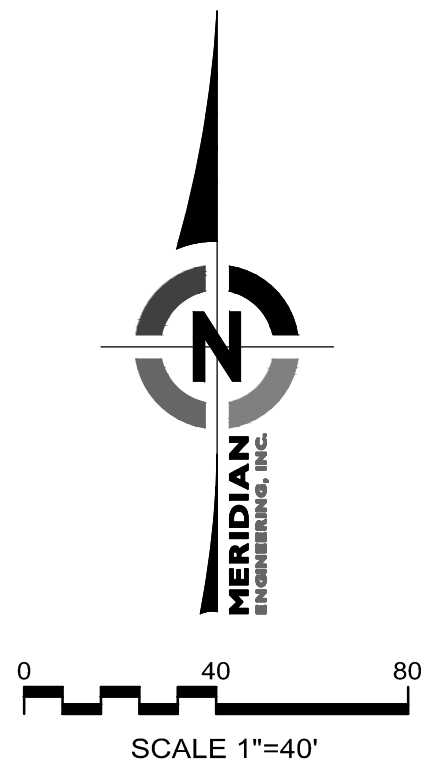
Time of Concentration Calculations													
Sheet Flow							Shallow Concentrated Flow						
Path Paved (Y/N)	Manning Roughness	Flow Length ft	2yr 24 hr Depth in	Begin El ft	End El ft	Slope ft/ft	T <sub>sheet</sub> Min	Flow Length ft	Begin El ft	End El ft	Slope ft/ft	Path Paved (Y/N)	V/S coeff k
No	0.410	721	1.32	82.00	74.00	0.0111	175.4	1767.33	74.00	60.25	0.0078	Yes	20.8

Combined Required Detention:

This reflects all areas indicated on sheet C31 minus A-13 (dated December 2014 ). Plus the new improvements.

DRAINAGE AREA	AREA (AC)	CN = BLDG	CN = HARD	CN = TURF	CN = LAND	COMPOSITE CN
A-1	0.94	0.00	0.56	0.00	0.38	
A-2	0.33	0.00	0.31	0.00	0.02	
A-3	0.41	0.00	0.39	0.00	0.02	
A-4	0.54	0.00	0.51	0.00	0.03	
A-5	0.25	0.00	0.14	0.00	0.11	
A-6	0.20	0.13	0.00	0.00	0.07	
A-7	5.46	0.43	0.00	4.02	1.01	
A-8	0.30	0.00	0.19	0.00	0.11	
A-9	2.47	0.73	0.27	0.00	1.47	
A-10	5.60	1.20	3.65	0.00	0.75	
A-11	0.52	0.00	0.23	0.00	0.29	
A-12	7.42	0.00	1.02	0.00	6.40	
A-13 - updated	6.15	0.87	0.69	1.36	3.22	
TOTALS:	30.59	3.36	7.96	5.38	13.88	64

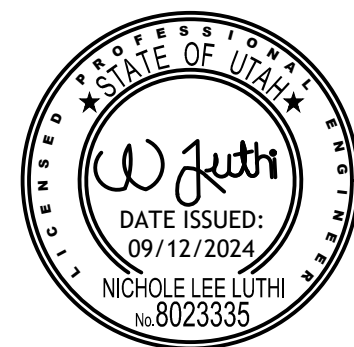
TOTAL AREA: 1,332,435 SF  
TOTAL AREA: 30.59 Ac.  
Weighted CN = 64  
Initial Abstraction (I) = 1.13  
Max Runoff (S) = 5.63



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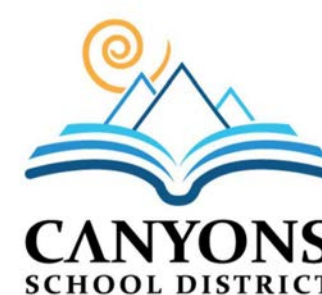
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CONSULTANT INFORMATION



OWNER INFORMATION



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

BP-3

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: NLL  
PIC:

DRAWING SET STATUS

BID SET

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SHEET TITLE

HYDROLOGY  
PLAN

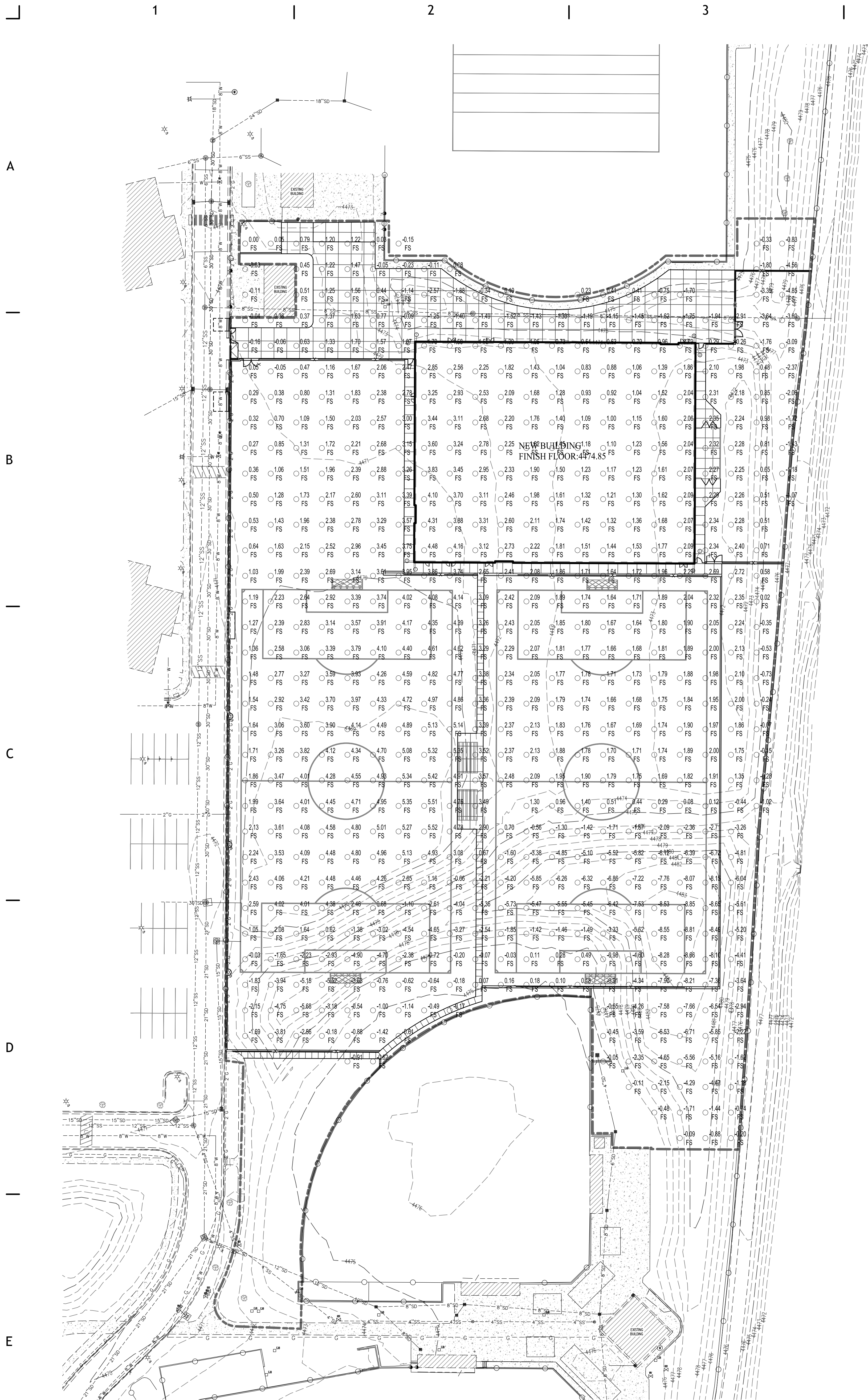


SHEET NUMBER

CG450



Autodesk Draw: /24-013 CCHS Fieldhouse & Soccer Field/24-013 CCHS Fieldhouse & Soccer Field.rvt  
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NOTES:

1. SITE EXCAVATION MATERIALS ARE NOT ALLOWED FOR USE BELOW FOOTING, BUILDING SLAB, OR OTHER STRUCTURAL ITEMS ON SITE (REFER TO SPECIFICATIONS.) SITE EXCAVATION MATERIALS CAN BE USED UNDER PAVEMENTS IF THEY MEET THE PROJECT SPECIFICATIONS AND REQUIREMENTS FROM THE GEOTECHNICAL REPORT. THE FILL MATERIAL SHOWN ON THE CALCULATIONS INCLUDED ALL NECESSARY FILL (INCLUSIVE OF PAVEMENT, CONCRETE, BASE COURSE, AND IMPORTED STRUCTURAL FILL) TO BRING THE SITE TO THE FINISH SURFACE SHOWN ON THE GRADING PLANS. ADDITIONAL EXCAVATION IS REQUIRED IN CUT AREAS TO EXCAVATE TO THE NECESSARY SUBGRADE ELEVATIONS FOR THE NEW PAVEMENT.
2. ANY TOP SOIL ON THE SITE IS ASSUMED TO BE REMOVED AND REUSED AT THE TOP OF THE GRASS PLAY FIELD, AND OTHER LANDSCAPE AREAS AS INDICATED ON THE LANDSCAPE PLANS. CONTRACTOR SHALL STRIP THE TOP OF MATERIAL AS OUTLINED IN THE SPECIFICATIONS AND LANDSCAPE PLAN PRIOR TO ANY EXCAVATIONS OR BACKFILLING. SCREEN ALL TOPSOIL IN ACCORDANCE WITH LANDSCAPING SPECIFICATIONS PRIOR TO FINAL PLACEMENT OF THE MATERIAL.
3. THE MASS GRADING QUANTITIES ARE CALCULATED TO THE FINISH FLOOR OF THE BUILDING. ALL OTHERS AREAS ARE ALSO CALCULATED TO THE FINISH SURFACE SHOWN ON THE GRADING PLAN INCLUDING PAVEMENT AND TOPSOIL.
4. EXCAVATION FOR BUILDING FOOTINGS, UTILITY TRENCHES, SITE RETAINING WALLS, AND PAVEMENT/SIDEWALK SECTIONS OR OTHER MISCELLANEOUS STRUCTURES ARE NOT INCLUDED IN THE APPROXIMATED MASS GRADING QUANTITIES UNDER ALL SITE PAVEMENT.
5. SEE ATHLETIC ELEMENTS, LANDSCAPE, SPRINKLING AND FENCING PLANS FOR FURTHER INFORMATION AND LOCATIONS OF CONCRETE WORK INCLUDING LARGE SITE SIGNS (MONUMENT, AND VICTORY BELL), VARIOUS MOW STRIPS, COLLARS AND SLABS, ETC.
6. SEE THE FENCING PLANS FOR FURTHER INFORMATION ON BLOCK WALLS, FENCING TYPES, LOCATIONS, GATES, ETC.

LEGEND

- 1.6 APPROXIMATE FILL TO GRADE (SEE NOTE 3)  
-1.6 APPROXIMATE CUT TO GRADE (SEE NOTE 3)

CONTRACTOR BID NOTE:

THESE QUANTITIES ARE PREPARED TO HELP IN THE PREPARATION OF THE GRADING PLAN TO MINIMIZE THE REMOVAL OF MATERIAL FROM THE SITE AND TO APPROXIMATE THE AMOUNT OF MASS GRADING THAT WILL BE NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR WILL NEED TO COMPLETE THEIR OWN EARTHWORK TAKE OFF BASED ON THE GRADING PLANS. THE ACTUAL QUANTITIES OF EARTHWORK MAY VARY FROM THE AMOUNTS SHOWN ON THIS SHEET. THE CONTRACTOR'S BID WILL INCLUDE ALL NECESSARY EARTHWORK TO COMPLETE THE PROJECT TO THE FINISH GRADES SHOWN ON THE GRADING PLANS.

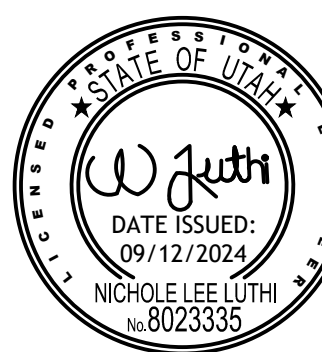
SCALE 1"=40'



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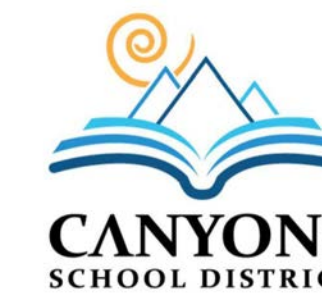
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CONSULTANT INFORMATION



OWNER INFORMATION



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD  
BP-3

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

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PIC:

DRAWING SET STATUS

BID SET

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SHEET TITLE

CUT/FILL  
EXHIBIT



SHEET NUMBER

CG460



1 | 2 | 3 | 4 | 5 | 6 | 7

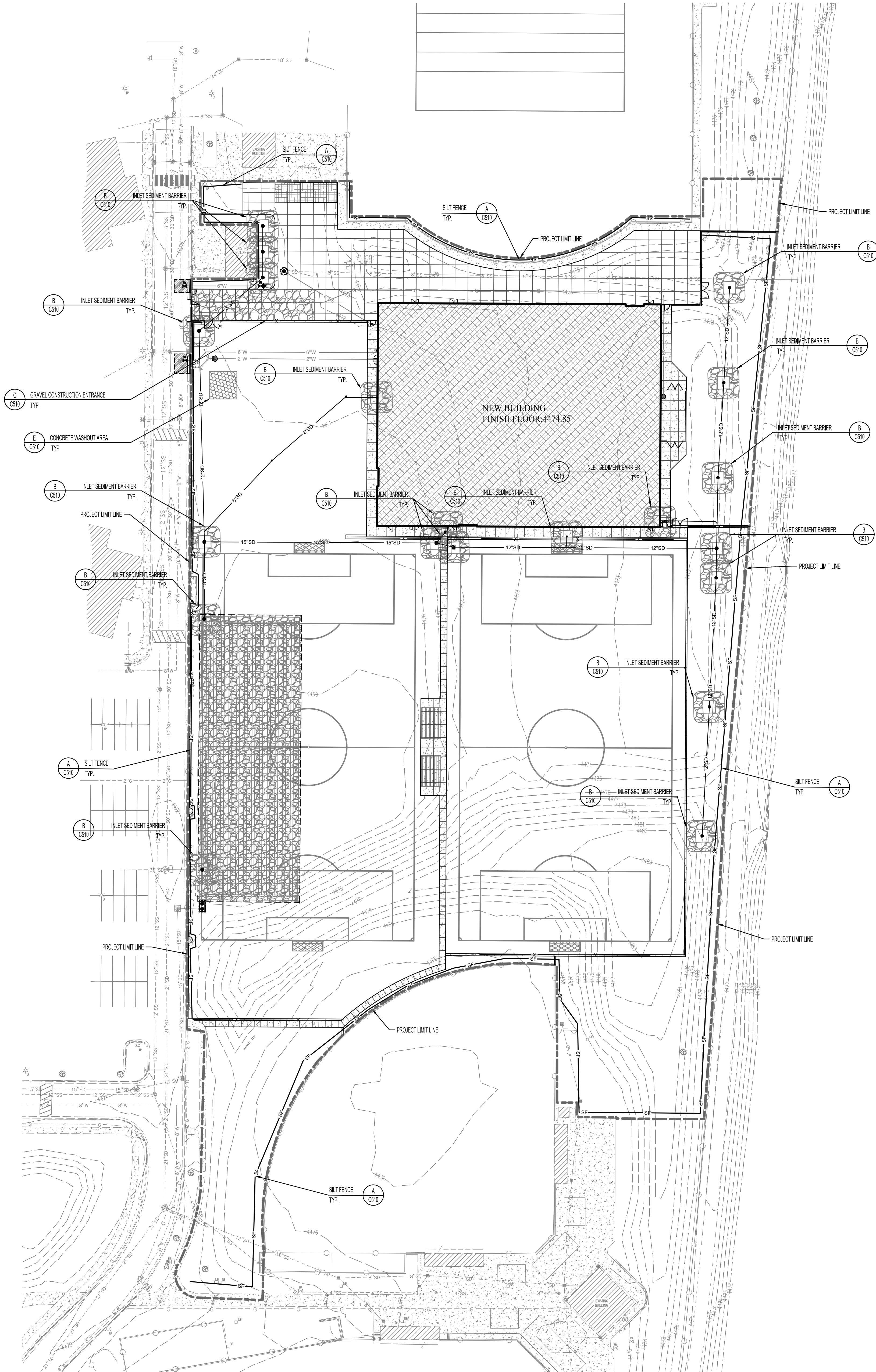
A

B

C

D

E



NOTES:

1) THERE ARE ABOUT 6.15 ACRES WITHIN THE PROJECT BOUNDARY THAT WILL BE DISTURBED WITH NEW CONSTRUCTION OR CONTRACTOR STORAGE ACTIVITIES.

SEQUENCE OF CONSTRUCTION ACTIVITIES:

- 1) FIELD MARK LIMIT OF DISTURBANCE FOR APPROVAL BY DRAPER CITY AND OBTAIN A STORM WATER MANAGEMENT PERMIT AS NEEDED BY DRAPER CITY.
- 2) INSTALL SILT FENCE AND/OR ENVIRONMENTAL FENCE AROUND PERIMETER OF PROJECT AS INDICATED ON THIS PLAN SHEET.
- 3) INSTALL SEDIMENT CONTROL MEASURES INDICATED IN ALL EXISTING STORM DRAIN INLETS ADJACENT TO THE CONSTRUCTION SITE.
- 4) CONTRACTOR WILL BEGIN DEMOLITION, GRADING, EXCAVATION, AND CONSTRUCTING UTILITY SITE IMPROVEMENTS. AS NEW DRAINAGE ELEMENTS ARE COMPLETED, CONSTRUCT SEDIMENT PROTECTION AT ALL NEW INLETS.
- 5) AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE STABILIZED WITH SOD IN LANDSCAPED AREAS AND PAVEMENT IN PARKING AND DRIVEWAY AREAS. SITE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE COMPLETED WITHIN 21 DAYS OF FINISHING AN AREA TO THE FINAL LINES AND GRADES INDICATED ON THE GRADING PLAN.
- 6) UPON LANDSCAPE ESTABLISHMENT, REMOVE TEMPORARY MEASURE & CLEAN STORM DRAIN SYSTEM PRIOR TO RELEASE OF SYSTEM TO THE OWNER.

RUNOFF COEFFICIENTS AND DISCHARGE:

- 1) THE EXISTING RUNOFF COEFFICIENT FOR THE PROJECT AREA IS ESTIMATED TO BE 0.20. THE NEW RUNOFF COEFFICIENT WILL BE APPROXIMATELY 0.52 FOR THE NEW IMPROVEMENTS.
- 2) RUNOFF WILL BE COLLECTED ON SITE AND DETAINED IN AN UNDERGROUND DETENTION SYSTEM.

POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES:

- 1) THE OWNER WILL SUBMIT POST CONSTRUCTION BEST MANAGEMENT PRACTICES TO DRAPER CITY.

GENERAL STORM WATER POLLUTION CONTROL NOTES:

- 1) SEE C510 FOR STORM WATER POLLUTION CONTROL NOTES AND GENERAL PRACTICES.
- 2) ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
- 3) CONTRACTOR SHALL BE REQUIRED TO KEEP RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

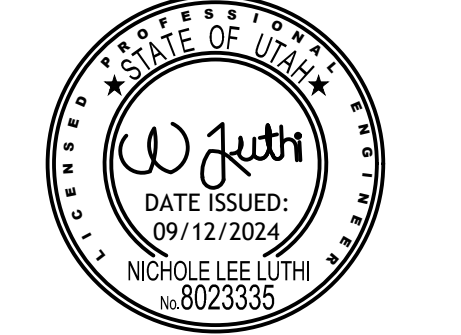


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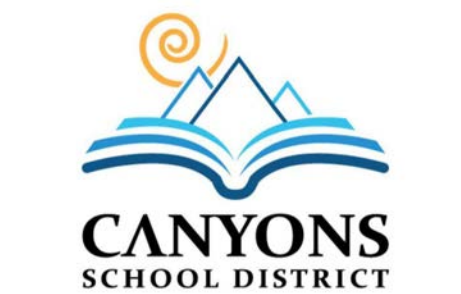
PROFESSIONAL STAMP



CONSULTANT INFORMATION



OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**  
**BP-3**  
12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: NULL  
PIC:

DRAWING SET STATUS  
**BID SET**

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

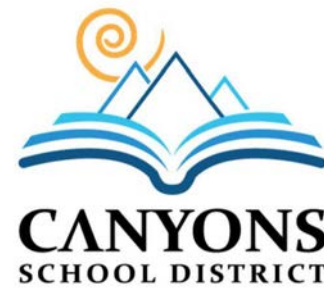
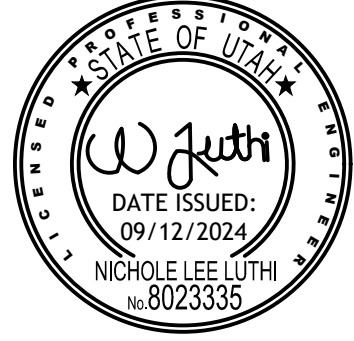
SHEET TITLE

**EROSION CONTROL PLAN**



SHEET NUMBER  
**C500**





DESCRIPTION	DATE

DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: NLL  
PIC:



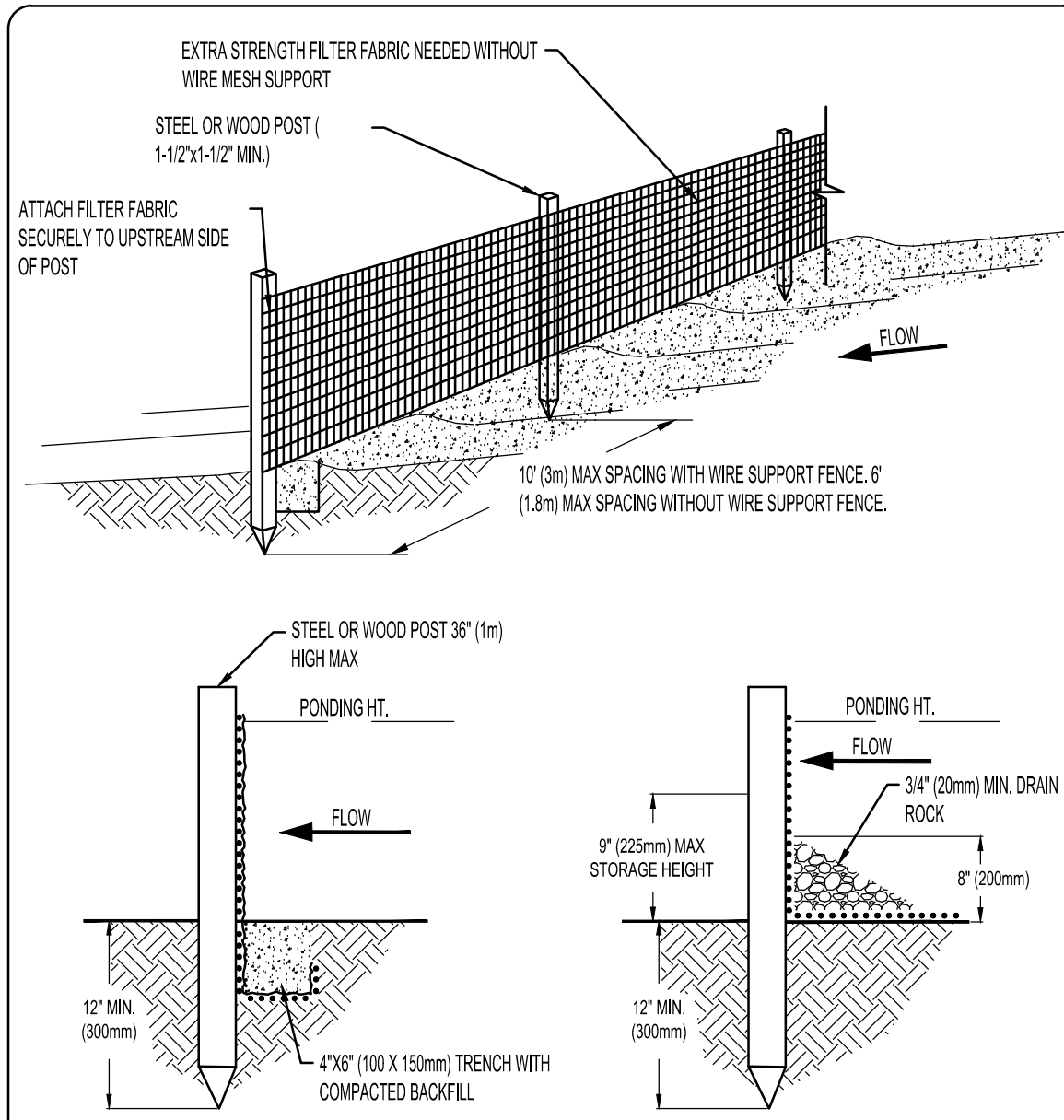
## CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES

### SILT FENCES, INSTALLATION OF SILT FENCES NOTE

- DIG OR TRENCH A FOUR INCH WIDE BY SIX INCH DEEP TRENCH. THE LENGTH OF THE SILT FENCE
- ROLL OUT SILT FENCE MATERIAL ALONG THE FRONT OF THE TRENCH SUCH THAT THE STAKES WILL BE ON THE DOWNSTREAM SIDE AND THE BOTTOM FLAP LAY IN THE TRENCH.
- STARTING AT ONE END, DRIVE THE FIRST STAKE AT LEAST 10 INCHES INTO THE GROUND. NOTE THAT THE STAKE MUST BE DRIVEN FAR ENOUGH INTO THE GROUND SO THAT 8-12 INCHES OF MATERIAL REMAINS IN THE GROUND.
- AT THE NEXT STAKE, PULL THE MATERIAL TIGHT BEFORE DRIVING THE SECOND STAKE INTO THE GROUND. NOTE THAT THE STAKE MUST BE DRIVEN FAR ENOUGH INTO THE GROUND SO THAT 8-12 INCHES OF MATERIAL REMAINS IN THE GROUND.
- REPEAT STEP 4 UNTIL THE STAKES ARE DRIVEN INTO THE GROUND.
- WHEN ATTACHING TWO LENGTHS OF FENCE TOGETHER, DO THE FOLLOWING:
  - PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
  - ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION, TO CREATE A TIGHT SEAL WITH THE FENCE MATERIAL.
  - DRIVE BOTH POST INTO THE GROUND SO THAT 8-12 INCHES OF MATERIAL REMAINS IN THE GROUND.

### EROSION CONTROL GENERAL NOTES

- AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. A REPRESENTATIVE OF THE CITY PUBLIC WORKS DEPARTMENT MAY REQUIRE ADDITIONAL CONTROL DEVICES UPON INSPECTION OF PROPOSED FACILITIES.
- ALL BEST MANAGEMENT PRACTICES AND EROSION CONTROL MEASURES ARE TO CONFORM TO THE CITY LAND DISTURBANCE DESIGN AND CONSTRUCTION STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STREETS CLEAN AND FREE FROM DEBRIS DEPOSITED BY TRAFFIC FROM THE SITE.
- ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE NEED TO BE PROTECTED FROM SITE RUNOFF. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AS INDIVIDUAL INLETS ARE INSTALLED.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PAVED, SEEDED WITH NATIVE VEGETATION OR LANDSCAPED, REFER TO LANDSCAPE PLANS FOR SEED MIX AND PLANTING SPECIFICATIONS.
- EROSION CONTROL STRUCTURES BELOW SLOODED AREAS MAY BE REMOVED ONCE SOIL AND FINAL LANDSCAPING ARE IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A NATURE COVERING OF HEALTHY VEGETATION. EROSION CONTROL IN PROPOSED PAVEMENT AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
- CONTRACTOR SHALL USE VEHICLE TRACKING CONTROL AT ALL LOCATIONS WHERE VEHICLES WILL ENTER OR EXIT THE SITE. CONTROL FACILITIES SHALL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY AND REMOVED WHEN THE SITE IS PAVED.
- ALL WASH WATER, CONCRETE TRUCKS, VEHICLE CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT WITH STORM WATER DISCHARGES FROM THE SITE.
- BLOWING DUST MUST BE CONTROLLED AT ALL TIMES. SITE WATERING SHALL BE USED TO CONTROL DUST. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS ABSOLUTELY PROHIBITED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, GRAVEL BASINS, ETC.) DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT.
- ALL OFF-SITE CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
- ALL MEASURES CONTAINED IN THIS PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT. ANY NEEDED CLEANING AND REPAIRS SHALL BE DONE IMMEDIATELY UPON DISCOVERY.
- ALL UTILITY LINES SHALL BE CLEANED OF DIRT AND DEBRIS PRIOR TO BEING PUT INTO SERVICE. DOWN-GRADE LINES MUST BE PROTECTED FROM WASH WATER DURING THE CLEANING TO AVOID CONTAMINATION AND COMPROMISING DRAINAGE CLEANLINESS.



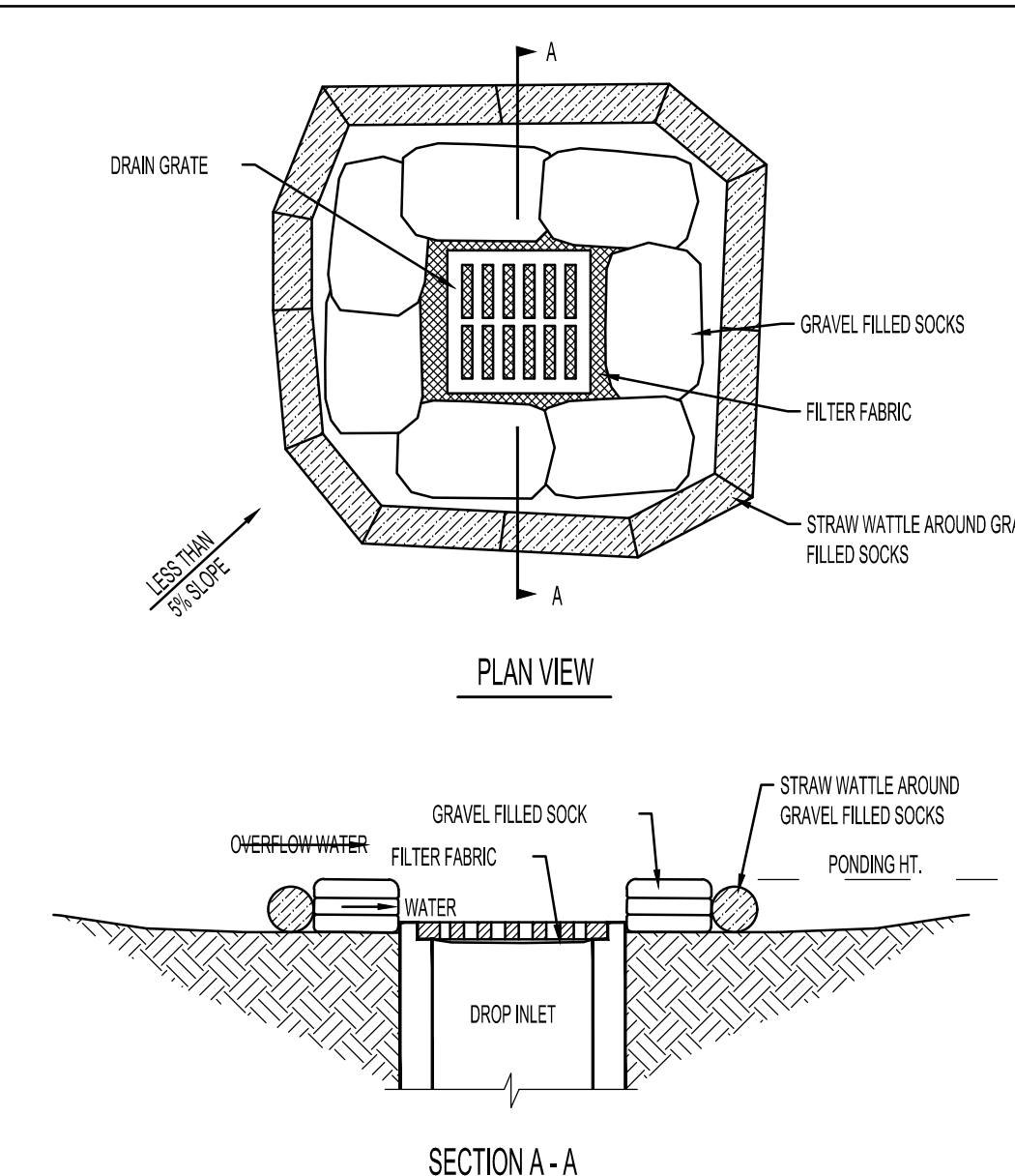
### TRENCH DETAIL

- NOTES:
- SILT FENCE SHALL BE PLACED ON THE SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
  - INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. IF (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
  - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

### SILT FENCE

N/A

### A

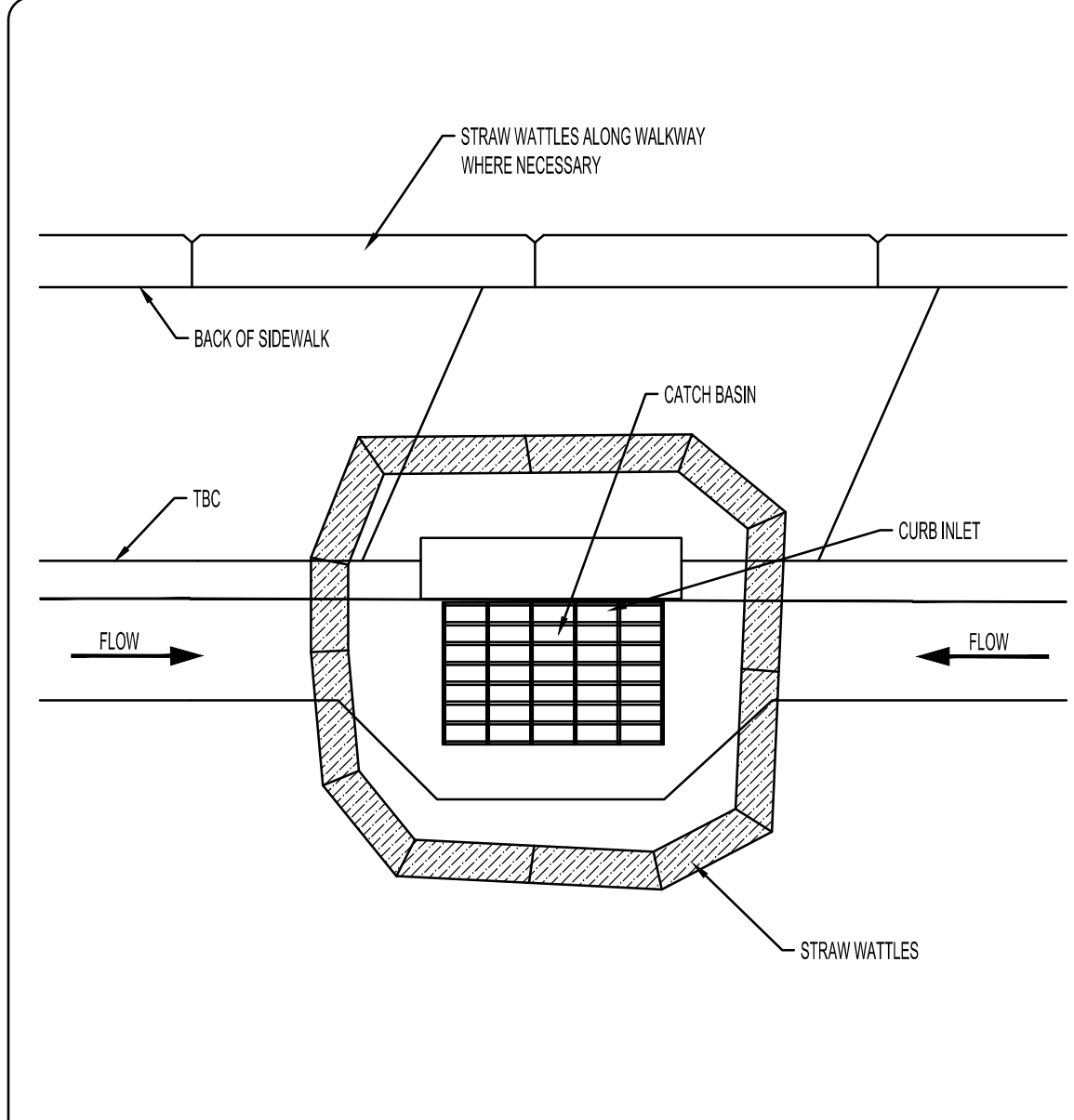


### NOTES:

- DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS, (LESS THAN 5%).
- EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.
- THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWN SLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWN SLOPE SIDE OF THE STRUCTURE.

### INLET SEDIMENT BARRIER

### B

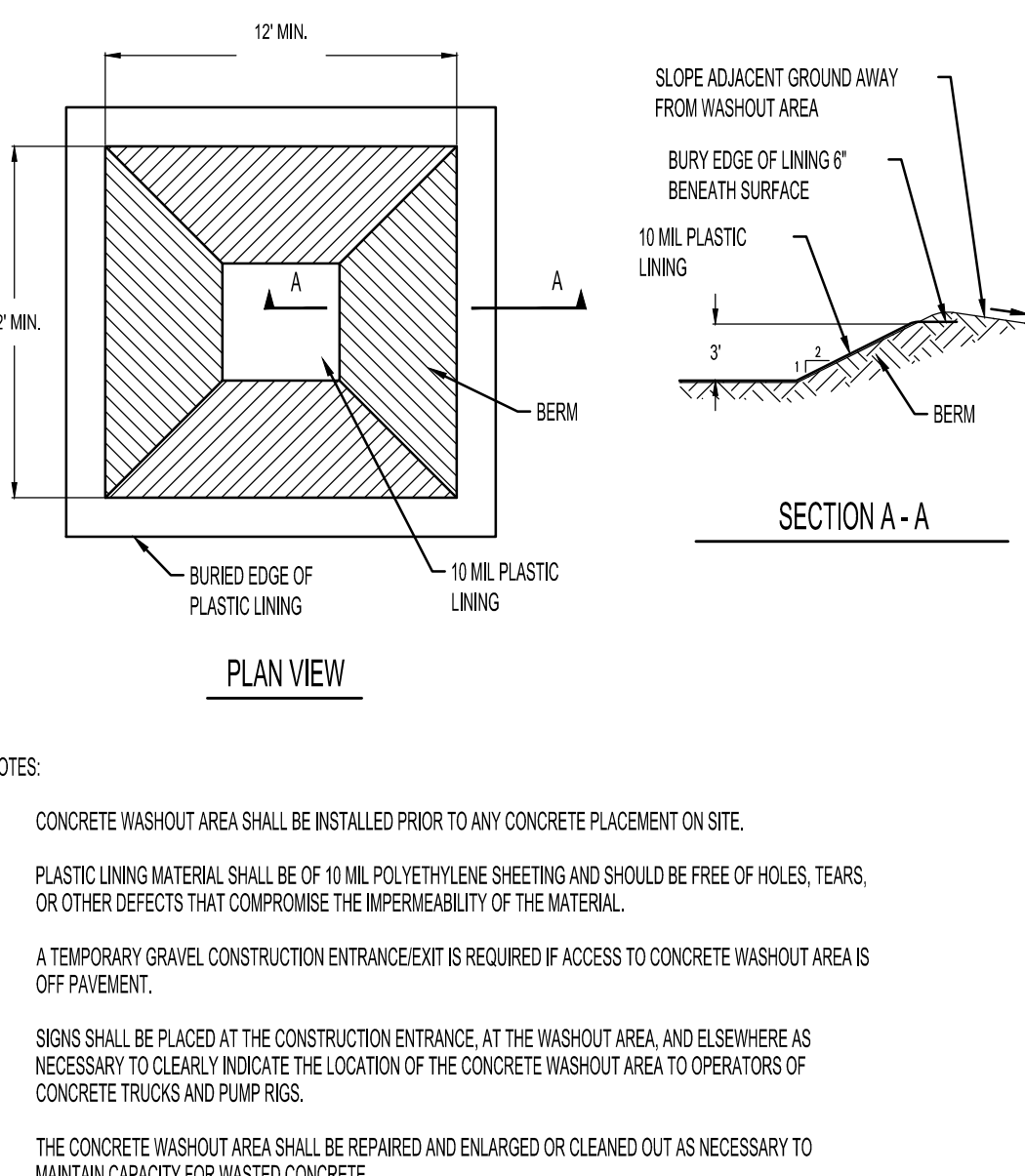


### NOTES:

- DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS, (LESS THAN 5%).
- EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.
- THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWN THE SLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWN SLOPE SIDE OF THE STRUCTURE.

### CURB AND GUTTER INLET SEDIMENT BARRIER

### D

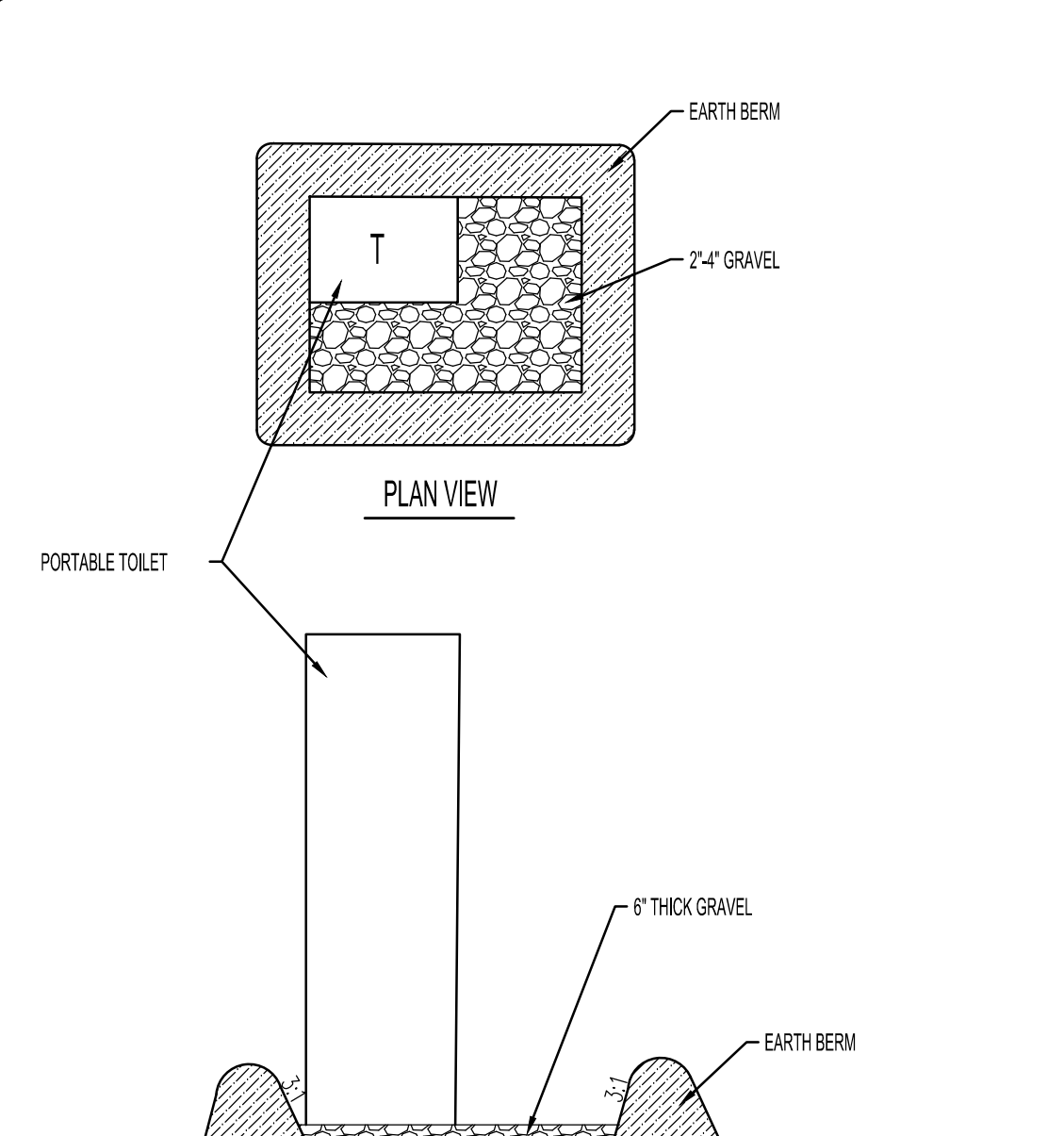


### NOTES:

- CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
- PLASTIC LINING MATERIAL SHALL BE OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
- A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT IS REQUIRED IF ACCESS TO CONCRETE WASHOUT AREA IS OFF PAVEMENT.
- SOAKS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
- THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
- AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE.
- WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER ACCEPTED BY THE CITY.

### CONCRETE WASHOUT AREA

### E



### NOTES:

- CONTRACTOR TO LOCATE ON SITE BASED ON TRAILER LOCATION.

### PORTABLE TOILET BARRIER

### F

### LIMIT OF DISTURBANCE NOTES:

- THE LIMITS OF DISTURBANCE (L.O.D.) TO BE FIELD MARKED.
- FIELD VERIFICATION OF AN L.O.D. BY CITY ENGINEERING.
- PRECONSTRUCTION EROSION AND SEDIMENT CONTROL MEETING REQUIRED PRIOR TO ANY DISTURBANCE. THE REQUIRED ATTENDEES WILL BE DEVELOPER'S PROJECT MANAGER, CONSTRUCTION COMPANY'S ON SITE MANAGER.
- MODIFICATION OF L.O.D. AS REQUIRED BY RESULTS OF PRECONSTRUCTION MEETING.
- THE CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM THE CITY CERTIFYING THE L.O.D., DUST CONTROL, AND TREE PROTECTION HAS BEEN REVIEWED AND APPROVED PRIOR TO WORK BEGINNING.

### CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES NOTES:

- CONTRACTOR WILL PERFORM EARTHWORK IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS, CITY EROSION, SEDIMENT, REVEGETATION REQUIREMENTS AND THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY.
- THE CONTRACTOR WILL PERFORM EARTHWORK IN ACCORDANCE WITH THE PROJECT EARTHWORK SPECIFICATIONS AND THE EARTHWORK RECOMMENDATIONS FOUND IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED FOR THIS PROJECT. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE DOCUMENTS MENTIONED, NOTE 3 AND THE CITY'S EROSION AND SEDIMENT CONTROL REQUIREMENTS ON THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY, THE CITY'S REQUIREMENTS AND THE STATE REQUIREMENTS WILL CONTROL.
- L.O.D. BARRIERS WILL BE PROPERLY INSTALLED PRIOR TO ANY DISTURBANCE. L.O.D. BARRIERS ARE DEFINED AS SILT FENCE AND ENVIRONMENTAL FENCE.
- INSTALL SILT FENCE ON ALL DOWNHILL SIDE OF L.O.D. SEE DETAIL AND SILT FENCE NOTES FOR CORRECT INSTALLATION PROCEDURE.
- ENVIRONMENTAL FENCES ARE TO BE INSTALLED ON ALL UPHILL SIDE OF L.O.D.
- THE L.O.D. SILT FENCE BARRIERS DO NOT REPLACE OR FUNCTION AS SEDIMENTATION S.A.P.S. ADDITIONAL SEDIMENT BEST MANAGEMENT PRACTICES B.M.P.s WILL BE REQUIRED AS SHOWN ON THE PLANS OR AS REQUIRED BY THE CITY THROUGHOUT THE PROJECT AS UNFORESEEN SITUATIONS OCCUR.
- WITHIN THE SAME WORKING DAY SOIL IS DISTURBED, ALL SEDIMENT CONTROL B.M.P.s WILL BE INSTALLED. AN EXAMPLE OF SEDIMENT CONTROL B.M.P. IS A SILT FENCE OR A TEMPORARY SEDIMENTATION BASIN. EXISTING VEGETATION WILL NOT BE BURIED. THE METHOD OF DISPOSAL WILL BE SUBMITTED AND APPROVED BY THE CITY.
- INSTALL ALL SEDIMENTATION B.M.P.s AS SHOWN ON PLANS AND AS DIRECTED BY THE CITY.
- DUST CONTROL MEASURES WILL BE ON SITE AND IN WORKING ORDER WHEN SOIL IS DISTURBED. DUST CONTROL WILL BE USED 24 HOURS SEVEN DAYS PER WEEK UNTIL SOIL IS RESEDED AND PROTECTED. WATER USED TO CONTROL DUST WILL CONTAIN CALCIUM CHLORIDE OR SIMILAR ADDITIVE. THE DUST CONTROL PLAN AS REQUIRED BY THE STATE OF UTAH DEPARTMENT OF ENVIRONMENTAL DIVISION OF AIR QUALITY DOES NOT REPLACE THE CALCIUM CHLORIDE REQUIREMENT.
- INSTALL IMPROVEMENTS AS SHOWN ON THE APPROVED CONSTRUCTION PLANS.
- ALL DISTURBED SOIL WILL BE MADE STABLE AS WITHIN 21 DAYS OF DISTURBANCE.
- TEMPORARY AND PERMANENT SEDIMENT BEST MANAGEMENT PRACTICES WILL REMAIN FUNCTIONAL AT ALL TIMES THROUGH THE ENTIRE PROJECT AND UNTIL ALL DISTURBED SOIL HAS BEEN STABILIZED TO PREVENT EROSION. WRITTEN APPROVAL MUST BE OBTAINED FROM THE CITY CERTIFYING ALL DISTURBED SOIL IS STABLE BEFORE ABANDONING SEDIMENTATION BEST MANAGEMENT PRACTICES.
- IF THE EXISTING GRADES ARE DIFFERENT THAN WHAT IS SHOWN ON THE GRADING PLAN, STOP WORK AND NOTIFY THE CITY.
- IF THE PROJECT REQUIRES EXPORT OR IMPORT MATERIAL TO ACHIEVE A BALANCED SITE, THE CONTRACTOR IS TO KEEP OFF-SITE ROADS CLEAN AT ALL TIMES. FAILURE TO KEEP STREETS CLEAN WILL RESULT IN A MANDATORY WORK STOP ORDER BEING ISSUED ON THE IMPORT/EXPORT OPERATION.
- THE PROJECT CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PAVED STREETS ADJACENT TO OR ADJUTING THE GRADING PROJECT CLEAN AND FREE OF DIRT, MUD, AND DEBRIS AT ALL TIMES. WHENEVER THIS IS A PUBLIC HEALTH AND SAFETY ISSUE, FAILURE TO COMPLY WILL RESULT IN A MANDATORY WORK STOP ORDER BEING ISSUED OVER THE ENTIRE PROJECT, INCLUDING COMMERCIAL AND RESIDENTIAL CONSTRUCTION PROJECTS.
- THE CONTRACTOR WILL PROVIDE ADDITIONAL TEMPORARY EROSION CONTROL PLANS AND PERMITS AS REQUIRED BY THE CITY, THE COUNTY AND THE STATE OF UTAH AS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT.
- FAILURE TO FOLLOW THE SEQUENCE OF CONSTRUCTION SHALL RESULT IN THE ISSUANCE OF A WORK STOP ORDER BEING ISSUED.
- CONCRETE TRUCKS TO USE PRE-ASSIGNED WASH OUT AREA. CONCRETE TRUCKS ARE NOT TO BE CLEANED OUT OR WASHED DOWN IN THE PUBLIC RIGHT-OF-WAY.
- PORTABLE TOILETS TO BE LOCATED ADJACENT TO CONTRACTOR TRAILER. TOILETS SHALL BE MAINTAINED BY CONTRACTOR.
- CONSTRUCTION WASTE BIN TO BE LOCATED NEAR CONTRACTOR TRAILER. ALL CONSTRUCTION WASTE TO BE PLACED IN WASTE BIN.
- ALL CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES (B.M.P.s) ARE TO BE INSPECTED AND MAINTAINED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
- CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF ALL INSPECTIONS AND MAINTENANCE ON SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.



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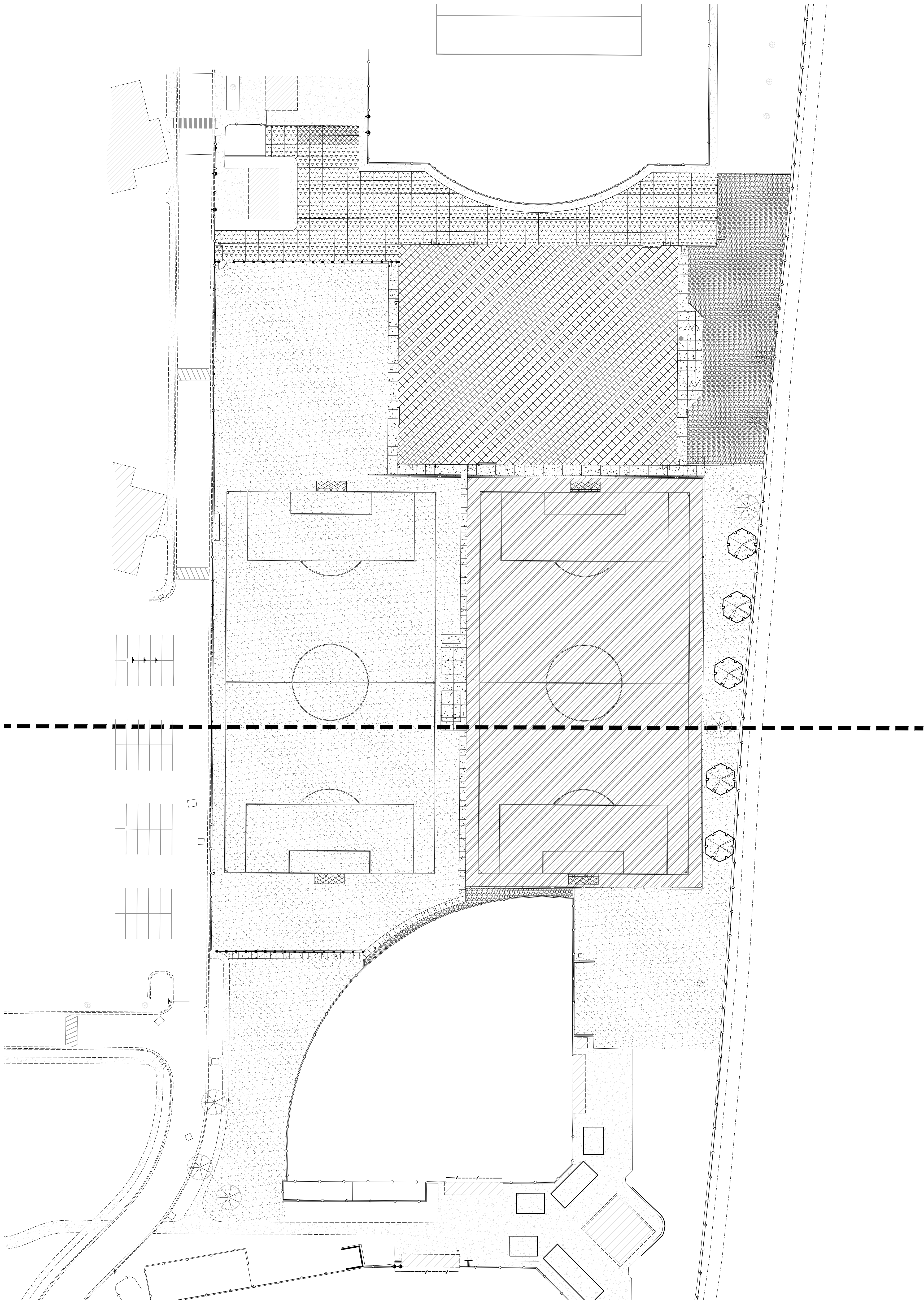
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### TREE LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ACER TRUNCATUM X A. PLATANOIDES 'KEITHSFORD' NORWEGIAN SUNSET NORWEGIAN SUNSET MAPLE	8	3" CAL.
	EXISTING TREE TO REMAIN	EXISTING	
	EXISTING TREE TO REMOVE	EXISTING	

### TURF/INERT MATERIAL LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	NEW LAWN AREA: KENTUCKY BLUE GRASS BLEND: MIN. 3 VARIETIES. SUBMIT CUT SHEET OF SOURCE AND BLEND FOR APPROVAL PRIOR TO INSTALLATION. SEE SOD SPEC FOR PROPER INSTALLATION DETAILS AND METHODS.	130,905 S.F.	SOD
	NEW ARTIFICIAL TURF AREA (N.I.C.) TO BE INSTALLED BY OWNER	59,382 S.F.	PER OWNER
	PLANTING BEDS TO BE 6" DEPTH OF SOUTHTOWN ROCK MULCH. AVAILABLE THROUGH STAKER PARSONS OR UTAH LANDSCAPE ROCK. ROCK TO BE DOUBLE WASHED PRIOR TO PLACING ROCK ON TOP OF WEED BARRIER FABRIC. INSTALL A 1" LAYER OF 3/4" ROCK TO COVER FABRIC AFTERWHICH A 5" LAYER OF 2-4" ROCK SHALL BE INSTALLED. SEE DETAIL 12 ON SHEET LS100 FOR ADDITIONAL INSTALLATION INSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.	14,822 S.F.	2"-4" ROCK MULCH

### LANDSCAPE NOTES

- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE.
- PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. ANY SUBSTITUTIONS TO BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
- NEW AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO BE INSTALLED FOR NEW LANDSCAPE AREAS PER PLANS. SEE IRRIGATION PLANS FOR EXACT LAYOUT.
- NEW LAWN AREAS TO BE SODDED. FINE LEVEL ALL AREAS PRIOR TO LAYING SOD. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- TOPSOIL TO BE INSTALLED PER SPECS. LAWN AND PLANTER BEDS TO BE EXCAVATED AS NECESSARY IN ORDER TO ACCOMMODATE TOPSOIL, AMENDMENTS AND ROCK MULCH TO REACH FINISHED GRADE.
- DEWITT 5 OZ. WEED BARRIER FABRIC TO BE INSTALLED IN ALL PLANTER AREAS UNDER ROCK MULCH. ROCK MULCH TO BE IMPLEMENTED PER LEGEND.
- ALL TREES TO BE STAKED AT TIME OF PLANTING. SEE TREE STAKING DETAILS FOR SPECIFICS. REMOVE STAKING WITHIN FIRST YEAR OR WHEN TREE IS ESTABLISHED.
- SEE FINISH GRADING AND SOIL PREPARATION SPEC SECTION FOR TOPSOIL REQUIREMENTS FOR ALL LAWN AND PLANTER AREAS.
- SEE CIVIL PLANS FOR ALL GRADING AND DRAINAGE INFORMATION.
- SEE ARCHITECTS AND CIVIL PLANS FOR ALL BUILDINGS AND SITE HARDSCAPING INCLUDING BUT NOT LIMITED TO WALKWAYS, CONCRETE, RETAINING WALLS, SPORTS NET FENCING, ARTIFICIAL TURF, ETC.
- CONTRACTOR SHALL PATCH AND REPAIR LAWN AND IRRIGATION AROUND THE EDGES OF THE PROJECT LIMIT LINE AS NECESSARY. CONTRACTOR SHALL REMOVE GRASS, LANDSCAPING AND IRRIGATION AS NECESSARY FOR INSTALLATION OF THE NEW PROJECT ELEMENTS.

### SOD LAYING NOTES

- LAY SOD WITHIN 24 HOURS OF BEING LIFTED.
- LAY SOD IN ROWS WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
- LAY SOD FLUSH WITH ADJOINING EXISTING SODDED OR PAVED SURFACES.
- AFTER SODDING HAS BEEN COMPLETED, ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER WITH A 150 POUND SOD ROLLER. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE IS NOT PERMITTED.
- WATER ALL SODDED AREAS IMMEDIATELY AFTER SOD LAYING TO OBTAIN MOISTURE. PENETRATION THROUGH SOD INTO TOP 4" OF TOPSOIL.
- PROVIDE ADEQUATE PROTECTION OF SODDED AREAS AGAINST TRESPASSING, EROSION AND DAMAGE OF ANY KIND. REMOVE THIS PROTECTION AFTER SODDED AREAS HAVE BEEN ACCEPTED BY THE OWNER.
- REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.



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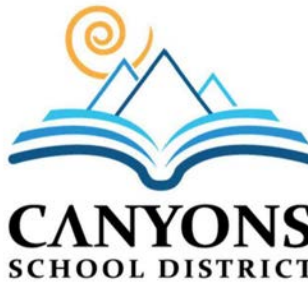
PROFESSIONAL STAMP



CONSULTANT INFORMATION



OWNER INFORMATION



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024  
PROJECT #: 24-013  
PM / PA: CBW  
PIC: HAH

DRAWING SET STATUS

BID SET

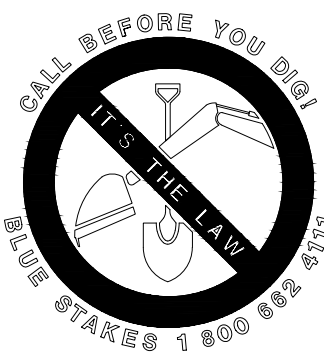
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TO BE PRINTED IN COLOR

SHEET TITLE

OVERALL  
LANDSCAPE  
PLAN

SHEET NUMBER

LS100



SCALE: 1"=40'-0" ON 30X42 SHEET



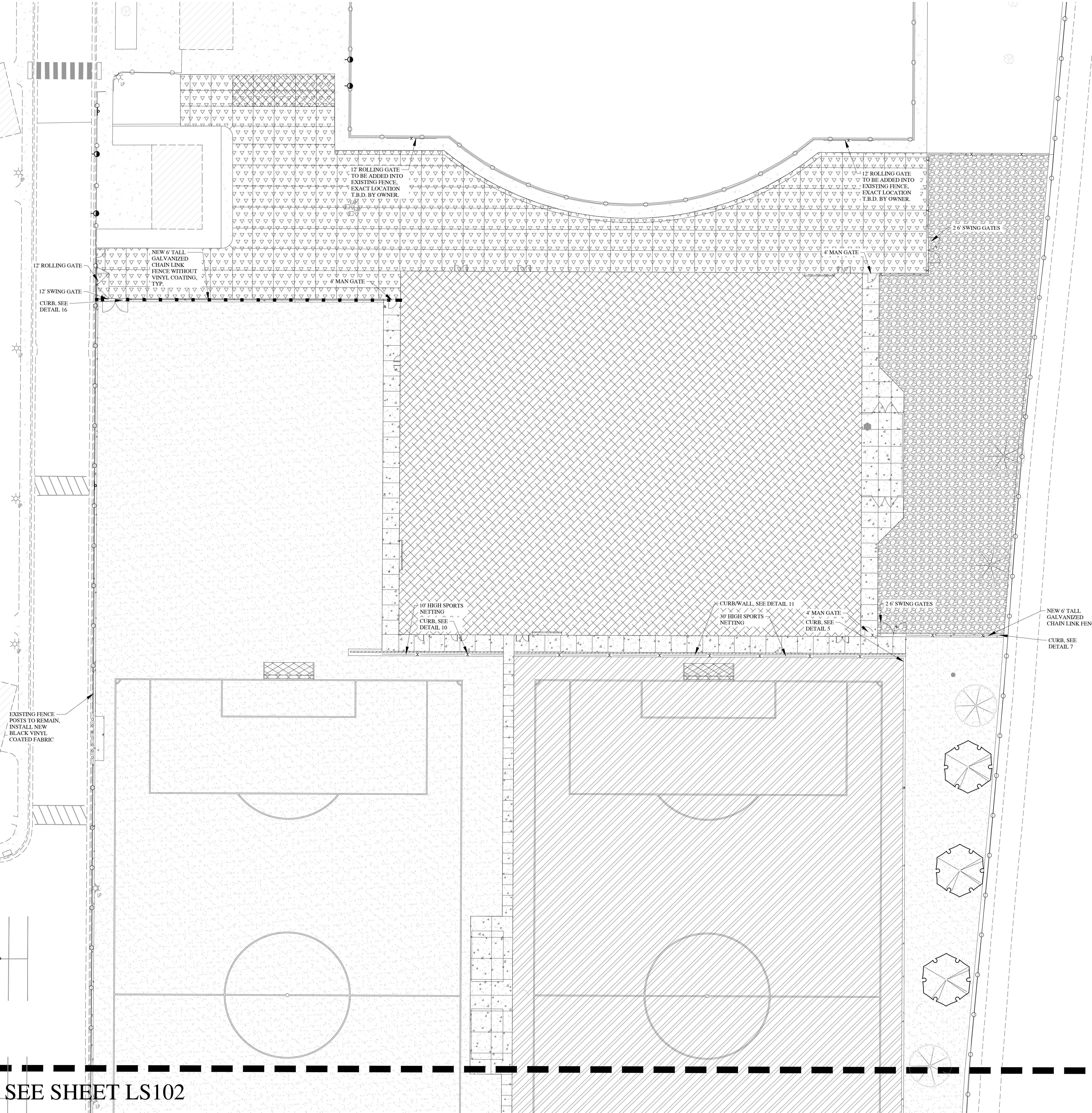
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TREE LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
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TURF/INERT MATERIAL LEGEND

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LANDSCAPE NOTES

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- PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. ANY SUBSTITUTIONS TO BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
- NEW AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO BE INSTALLED FOR NEW LANDSCAPE AREAS PER PLANS. SEE IRRIGATION PLANS FOR EXACT LAYOUT.
- NEW LAWN AREAS TO BE SODDED. FINE LEVEL ALL AREAS PRIOR TO LAYING SOD. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- TOPSOIL TO BE INSTALLED PER SPECS. LAWN AND PLANTER BEDS TO BE EXCAVATED AS NECESSARY IN ORDER TO ACCOMMODATE TOPSOIL, AMENDMENTS AND ROCK MULCH TO REACH FINISHED GRADE.
- DEWITT 5 OZ. WEED BARRIER FABRIC TO BE INSTALLED IN ALL PLANTER AREAS UNDER ROCK MULCH. ROCK MULCH TO BE IMPLEMENTED PER LEGEND.
- ALL TREES TO BE STAKED AT TIME OF PLANTING. SEE TREE STAKING DETAILS FOR SPECIFICS. REMOVE STAKING WITHIN FIRST YEAR OR WHEN TREE IS ESTABLISHED.
- SEE FINISH GRADING AND SOIL PREPARATION SPEC SECTION FOR TOPSOIL REQUIREMENTS FOR ALL LAWN AND PLANTER AREAS.
- SEE CIVIL PLANS FOR ALL GRADING AND DRAINAGE INFORMATION.
- SEE ARCHITECTS AND CIVIL PLANS FOR ALL BUILDINGS AND SITE HARDSCAPING INCLUDING BUT NOT LIMITED TO WALKWAYS, CONCRETE, RETAINING WALLS, SPORTS NET FENCING, ARTIFICIAL TURF, ETC.
- CONTRACTOR SHALL PATCH AND REPAIR LAWN AND IRRIGATION AROUND THE EDGES OF THE PROJECT LIMIT LINE AS NECESSARY. CONTRACTOR SHALL REMOVE GRASS, LANDSCAPING AND IRRIGATION AS NECESSARY FOR INSTALLATION OF THE NEW PROJECT ELEMENTS.

SOD LAYING NOTES

- LAY SOD WITHIN 24 HOURS OF BEING LIFTED.
- LAY SOD IN ROWS WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
- LAY SOD FLUSH WITH ADJOINING EXISTING SODDED OR PAVED SURFACES.
- AFTER SODDING HAS BEEN COMPLETED, ROLL HORIZONTAL SURFACE AREAS IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER WITH A 150 POUND SOD ROLLER. REPAIR AND RE-ROLL AREAS WITH DEPRESSIONS, LUMPS OR OTHER IRREGULARITIES. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE IS NOT PERMITTED.
- WATER ALL SODDED AREAS IMMEDIATELY AFTER SOD LAYING TO OBTAIN MOISTURE. PENETRATION THROUGH SOD INTO TOP 4" OF TOPSOIL.
- PROVIDE ADEQUATE PROTECTION OF SODDED AREAS AGAINST TRESPASSING, EROSION AND DAMAGE OF ANY KIND. REMOVE THIS PROTECTION AFTER SODDED AREAS HAVE BEEN ACCEPTED BY THE OWNER.
- REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.



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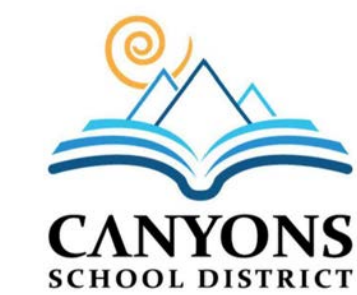
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CONSULTANT INFORMATION

In Site  
DESIGN GROUP  
Landscape Architecture Land Planning  
17 South 200 West, Suite 100, Salt Lake City, UT 84143  
801.756.5043 www.in-sitedesigngroup.com

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024  
PROJECT #: 24-013  
PM / PA: CBW  
PIC: HAH

DRAWING SET STATUS

BID SET

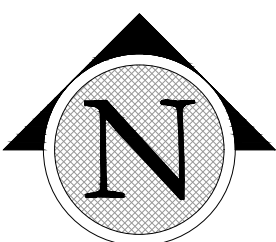
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SHEET TITLE

LANDSCAPE  
PLAN

SHEET NUMBER

LS101



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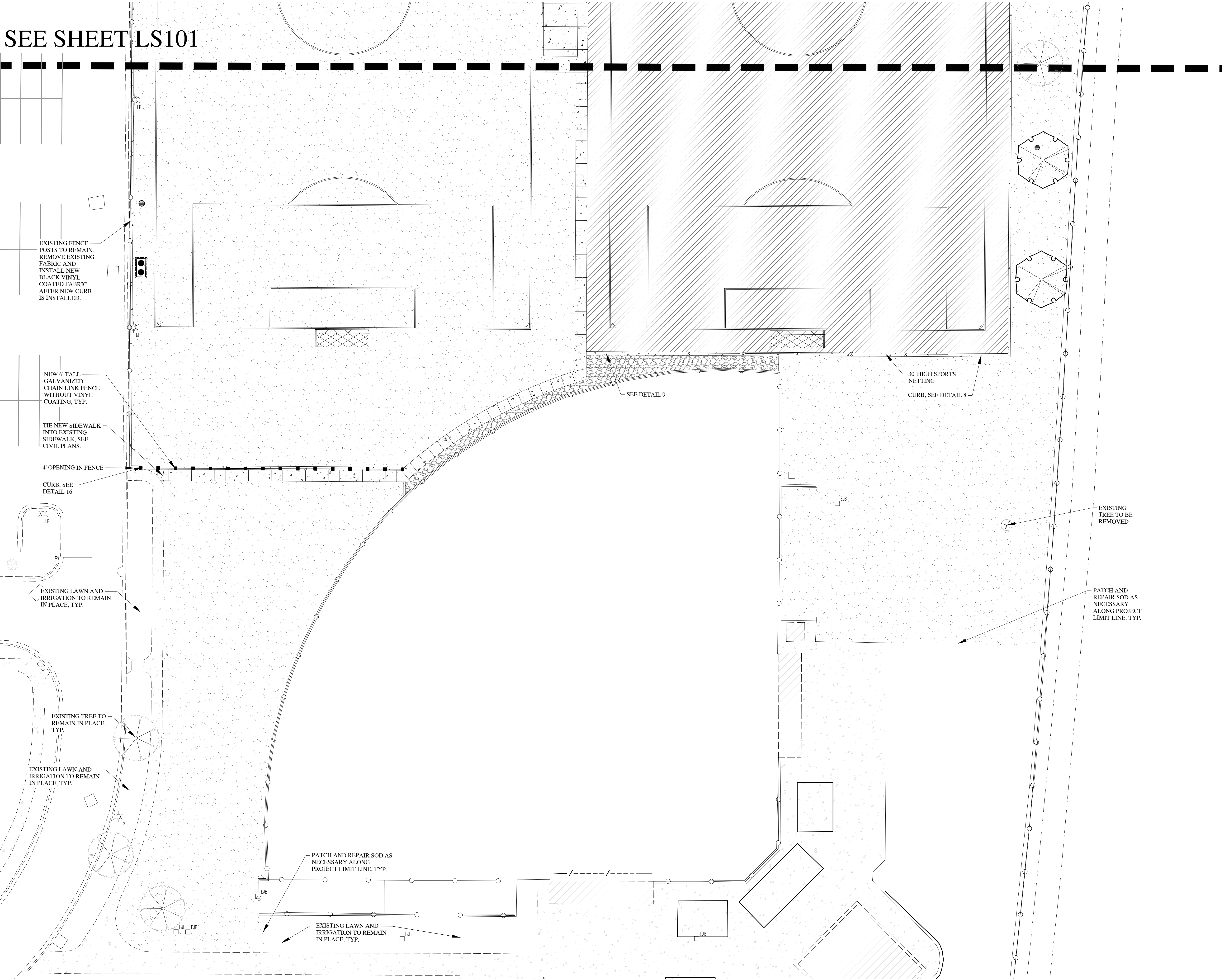
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### TREE LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	ACER TRUNCATUM X A. PLATANOIDES 'KETTIFORM' NORWEGIAN SUNSET NORWEGIAN SUNSET MAPLE	8	3" CAL.
	EXISTING TREE TO REMAIN		EXISTING
	EXISTING TREE TO REMOVE		EXISTING

### TURF/INERT MATERIAL LEGEND

SYMBOL	BOTANICAL NAME/COMMON NAME	QTY	SIZE
	NEW LAWN AREA- KENTUCKY BLUE GRASS BLEND: MIN. 3 VARIETIES. SUBMIT CUT SHEET OF SOURCE AND BLEND FOR APPROVAL PRIOR TO INSTALLATION. SEE SOD SPEC. FOR PROPER INSTALLATION DETAILS AND METHODS.	130,905 S.F.	SOD
	NEW ARTIFICIAL TURF AREA (N.I.C.) TO BE INSTALLED BY OWNER	59,382 S.F.	PER OWNER
	PLANTING BEDS TO BE 6" DEPTH OF SOUTHTOWN ROCK MULCH, AVAILABLE THROUGH STARKER PARSONS OR UTAH LANDSCAPE ROCK. ROCK TO BE DOUBLE WASHED PRIOR TO PLACING ROCK ON TOP OF WEED BARRIER FABRIC. INSTALL A 1" LAYER OF 2"-1" ROCK TO COVER FABRIC AFTERWHICH A 5" LAYER OF 2-4" ROCK SHALL BE INSTALLED. SEE DETAIL 12 ON SHEET LS800 FOR ADDITIONAL INSTALLATION INSTRUCTIONS. CONTRACTOR TO PROVIDE OWNER WITH SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.	14,822 S.F.	2"-4" ROCK MULCH

### LANDSCAPE NOTES

- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF ALL MATERIALS FOR BIDDING AND INSTALLATION PURPOSES. IF DISCREPANCIES EXIST, THE PLAN SHALL DICTATE.
- PLANT MATERIAL TO BE INSTALLED PER PLANT LEGEND. ANY SUBSTITUTIONS TO BE APPROVED BY OWNER AND/OR LANDSCAPE ARCHITECT.
- NEW AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO BE INSTALLED FOR NEW LANDSCAPE AREAS PER PLANS. SEE IRRIGATION PLANS FOR EXACT LAYOUT.
- NEW LAWN AREAS TO BE SODDED. FINE LEVEL ALL AREAS PRIOR TO LAYING SOD. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- TOPSOIL TO BE INSTALLED PER SPECS. LAWN AND PLANTER BEDS TO BE EXCAVATED AS NECESSARY IN ORDER TO ACCOMMODATE TOPSOIL, AMENDMENTS AND ROCK MULCH TO REACH FINISHED GRADE.
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- SEE CIVIL PLANS FOR ALL GRADING AND DRAINAGE INFORMATION.
- SEE ARCHITECTS AND CIVIL PLANS FOR ALL BUILDINGS AND SITE HARDSCAPING INCLUDING BUT NOT LIMITED TO WALKWAYS, CONCRETE, RETAINING WALLS, SPORTS NET FENCING, ARTIFICIAL TURF, ETC.
- CONTRACTOR SHALL PATCH AND REPAIR LAWN AND IRRIGATION AROUND THE EDGES OF THE PROJECT LIMIT LINE AS NECESSARY. CONTRACTOR SHALL REMOVE GRASS, LANDSCAPING AND IRRIGATION AS NECESSARY FOR INSTALLATION OF THE NEW PROJECT ELEMENTS.

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- REPLACE DAMAGED AREAS AT NO ADDITIONAL COST TO OWNER.

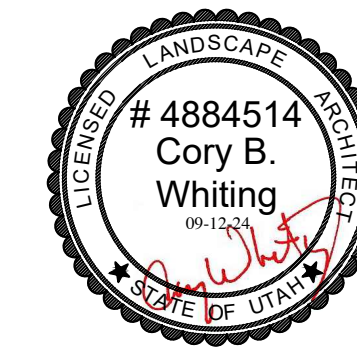


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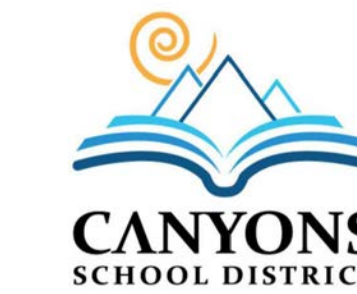
#### PROFESSIONAL STAMP



#### CONSULTANT INFORMATION

**In Site**  
DESIGN GROUP  
Landscape Architecture Land Planning  
17 North 2500 West, Suite 100, Salt Lake City, UT 84119  
801.756.0043 www.insitedesigngroup.com

#### OWNER INFORMATION



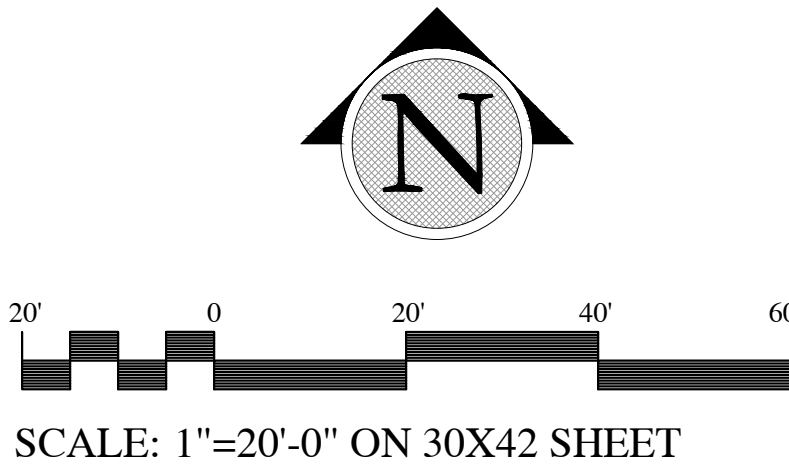
PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE
PROJECT INFORMATION	
DATE:	SEP 12, 2024
PROJECT #:	24-013
PM / PA:	CBW
PIC:	HAH
DRAWING SET STATUS	
BID SET	
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR	
SHEET TITLE	

**LANDSCAPE**  
**PLAN**

SHEET NUMBER  
**LS102**



SCALE: 1"=20'-0" ON 30X42 SHEET



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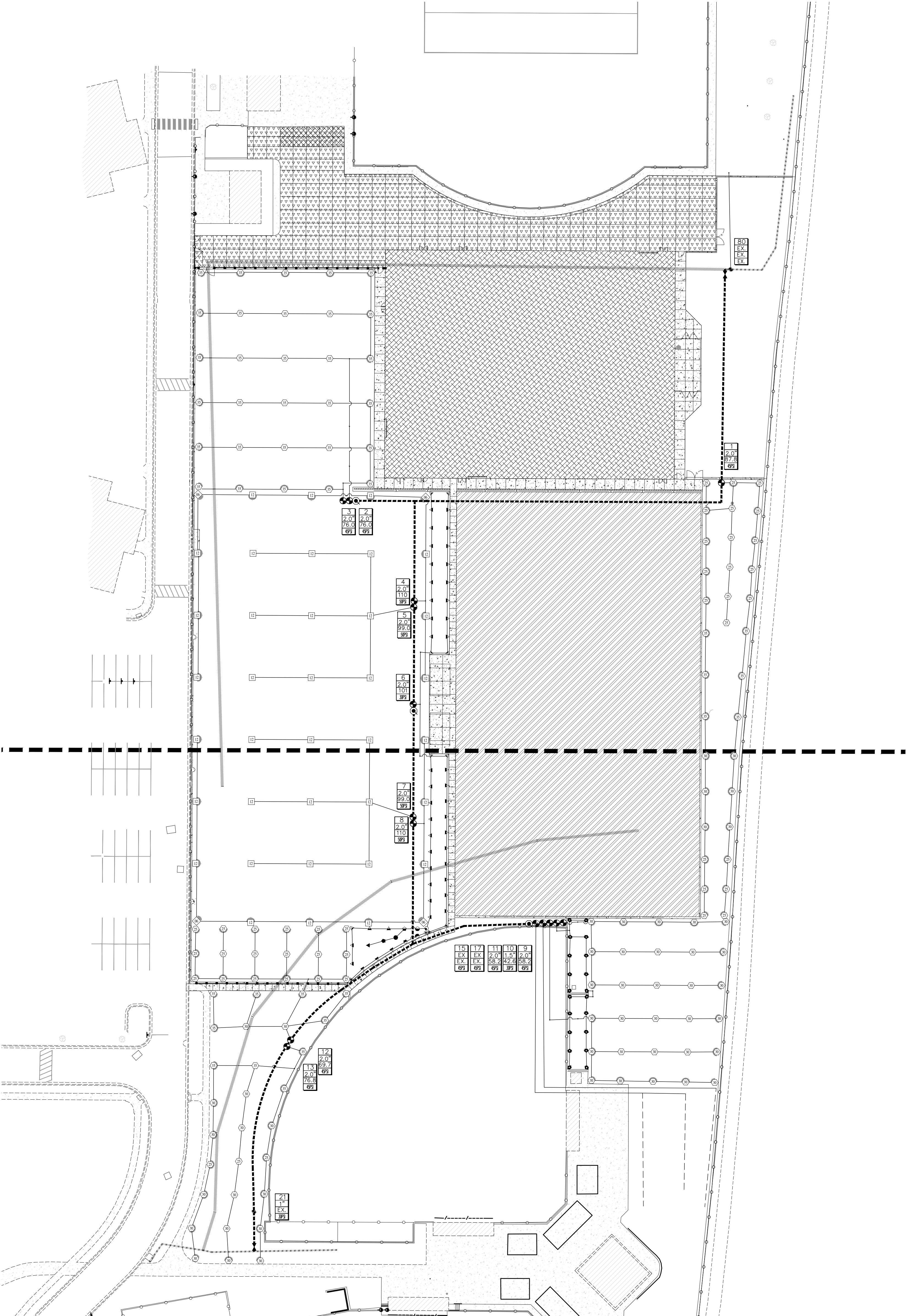
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IRRIGATION LEGEND

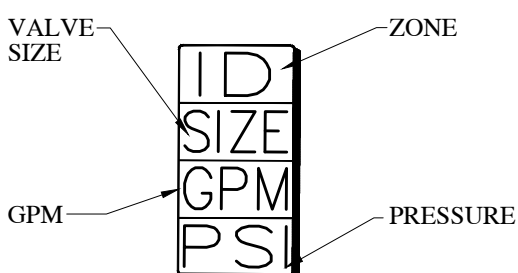
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					Q	T	H	TT	TQ			
●	RAIN BIRD 1806-PRS POP-UP SPRAY 8 SERIES	Q.H.E.VAN	8"	30	26	--	--	--	--	--	11	ADJUST ARC AS NEEDED
●	RAIN BIRD 1806-PRS POP-UP SPRAY 10 SERIES	H.F.	10"	30	--	--	79	--	--	1.58	--	ADJUST ARC AS NEEDED
●	RAIN BIRD 1806-PRS POP-UP SPRAY 12 SERIES	H.F.	12"	30	--	--	1.30	--	2.60	--	11	ADJUST ARC AS NEEDED
●	RAIN BIRD 1806-PRS POP-UP SPRAY 15 SERIES	Q.H.E.HE-VAN	15"	30	0.92	--	1.85	--	2.78	3.70	--	ADJUST ARC AS NEEDED
●	RAIN BIRD 1806-PRS POP-UP SPRAY 18 SERIES	H.E.VAN	18"	30	1.33	--	2.66	--	--	--	11	ADJUST ARC AS NEEDED
●	RAIN BIRD 5006-PL-R-SS WITH MPR 25 SERIES NOZZLES	Q.T.H.F.	25"	45	1.00	1.38	1.98	--	3.82	--	12	ADJUST ARC AS NEEDED
●	RAIN BIRD 5006-PL-R-SS WITH MPR 30 SERIES NOZZLES	Q.T.H.F.	30"	45	1.40	1.85	2.96	--	5.78	--	12	ADJUST ARC AS NEEDED
●	RAIN BIRD 5006-PL-R-SS WITH MPR 35 SERIES NOZZLES	Q.T.H.F.	35"	45	1.92	2.46	3.81	--	--	--	12	ADJUST ARC AS NEEDED
●	RAIN BIRD FALCON 6504 SS	Q	44"	50	5.5	--	--	--	--	--	12	ADJUST ARC AS NEEDED
●	RAIN BIRD FALCON 6504 SS	H.F.	50"	50	--	--	11	--	11	--	12	ADJUST ARC AS NEEDED
●	EXISTING VALVES TO BE RELOCATED										13, 14	
●	NEW RAINBIRD PESB VALVE, SIZE PER PLAN										13, 14	JUMBO VALVE BOX
●	EXISTING 3" SCH. 40 PVC MAINLINE TO BE REMOVED										--	FIELD VERIFY EXACT LOCATION
●	EXISTING 3" SCH. 40 PVC MAINLINE TO REMAIN, MODIFY EXISTING MAINLINE PER PLANS										--	SEE IRRIGATION DETAILS
●	NEW 3" SCH. 40 PVC MAINLINE WITH LEEMCO FITTINGS AND JOINT RESTRAINTS UNLESS OTHERWISE NOTED. ALL MAINLINE SMALLER THAN 3" SHALL ALSO BE SCH. 40 PVC BUT SHALL HAVE SCH. 80 FITTINGS.										1, 2, 4, 5, 13	SEE IRRIGATION DETAILS
●	LATERAL LINE: PVC SCH. 40 (SIZE PER PLAN)										1, 4	SEE IRRIGATION DETAILS
●	EXISTING LATERAL LINE										--	SEE PLAN
●	1" RAINBIRD QUICK COUPLER VALVE, MODEL #44NP, FOR IRRIGATION SYSTEM BLOWOUT. ALL STAINLESS STEEL FITTINGS & PIPE.										9	SEE IRRIGATION DETAILS
●	3" LEEMCO FLANGED ISOLATION VALVE WITH 2" SQUARE NUT (INSTALL MANUAL DRAIN AT EACH ISOLATION VALVE)										5	SEE IRRIGATION DETAILS
●	DOUBLE JACKETED 2-WIRE CABLE PER CALSENSE SPECS.										1, 4, 15, 16	ROUTE WITH MAINLINE
●	NOT SHOWN SLEEVE, SIZE TO BE A MIN. OF TWICE THE DIAMETER OF THE MAIN, LATERAL										3	COORDINATE WITH ALL TRADES
●	NOT SHOWN WIRE CHASE, SIZE TO BE TWICE THE DIAMETER OF THE WIRE BUNDLE WITHIN. 1" DIA. WC IS THE MINIMUM SIZED ALLOWED.										1, 4, 15, 16	COORDINATE WITH ALL TRADES

IRRIGATION NOTES

- SEE SHEETS LS4.0 FOR IRRIGATION DETAILS. SEE SPECS FOR ADDITIONAL IRRIGATION INSTALLATION PROCEDURES.
- EXISTING AND NEW VALVES TO BE CONNECTED TO EXISTING CALSENSE 2-WIRE CONTROLLER. INSTALL NEW 2-WIRE AS NECESSARY. RE-USE EXISTING DECODERS FROM EXISTING VALVES THAT ARE TO BE REMOVED. ALL VALVES, VALVE BOXES, DRAINS, AND BOTH ENDS OF SLEEVES SHALL HAVE GPS POINTS TO CREATE AN GPS AS-BUILT DOCUMENT. CONSULT WITH THE OWNER FOR THE DELIVERABLE TYPE REQUIRED. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- ALL MAINLINE 3" AND LARGER SHALL HAVE LEEMCO FITTINGS WITH JOINT RESTRAINTS. ALL MAINLINE SMALLER THAN 3" SHALL BE SCH.40-PVC WITH SCHEDULE 80 FITTINGS. SIZE MAINLINE PER PLAN. LATERAL LINES SHALL BE NO SMALLER THAN 3/4". MAINLINE AND LATERAL LINE LAYOUT IS SCHEMATIC. ADJUST LOCATION OF MAINLINE AND LATERAL LINES AS NECESSARY IN ORDER TO AVOID TREES AND OTHER OBSTRUCTIONS AS WELL AS NEW TREES OR SHRUBS PLANTINGS. PIPES SHALL CARRY NO MORE THAN THE FOLLOWING: 3/4" PIPE MAX. 8 GPM, 1" PIPE MAX. 13 GPM, 1-1/4" PIPE MAX. 23 GPM, 1-1/2" PIPE MAX. 30 GPM, 2" PIPE MAX. 30 GPM, 2-1/2" PIPE MAX. 75 GPM, 3" PIPE MAX. 110 GPM.
- CONTRACTOR SHALL HAVE ALL UTILITIES BLUE STAKED BEFORE DIGGING. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR WITH NO EXTRA COST TO THE OWNER.
- INSTALL ALL NEW VALVE BOXES 6" MIN. FROM WALKS AND WALLS SQUARED WITH THE WALK. PLACE VALVE BOXES IN PLANTER BEDS WHEN POSSIBLE. ROUND VALVE BOXES ARE NOT ALLOWED. CONTRACTOR SHALL ONLY USE COMMERCIAL GRADE RAINBIRD PRODUCTS OR AN OWNER APPROVED EQUAL. EXISTING VALVE BOXES MAY BE USED IF THEY ARE NOT DAMAGED. ANY DAMAGED BOXES AND/OR LIDS SHALL BE REPLACED BY THE CONTRACTOR.
- CONTRACTOR MAY MAKE SUBSTITUTIONS TO IRRIGATION COMPONENTS ONLY UPON WRITTEN APPROVAL FROM THE SCHOOL DISTRICT. IF CONTRACTOR ELECTS TO USE DIFFERENT COMPONENTS THAN WHAT IS CALLED FOR, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A NEW DESIGN SHOWING HOW NEW COMPONENTS MEET OR EXCEED THE EXISTING DESIGN STANDARD SET FORTH IN THESE CONSTRUCTION DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING ACCURATE COUNTS AND QUANTITIES OF ALL IRRIGATION MATERIALS FOR BIDDING AND INSTALLATION PURPOSES.
- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CITY AND/OR COUNTY CODES. THE LANDSCAPE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY PERMITS.
- ACTUAL INSTALLATION OF IRRIGATION SYSTEM MAY VARY SOMEWHAT FROM PLANS. CONTRACTOR IS RESPONSIBLE TO MAKE NECESSARY ADJUSTMENTS AS NEEDED TO ENSURE PROPER COVERAGE OF ALL LANDSCAPED AREAS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
- INSTALL SCH. 40 ELECTRICAL WIRING CONDUIT BETWEEN ALL IRRIGATION BOXES FOR NEW 2-WIRE, TYP.
- REMOVE ALL EXISTING VALVES, HEADS, AND PIPING FOR ZONES 1-14, 16, 81-83, 100-102
- MODIFY EXISTING ZONES 15, 17, 21, 80. REMOVE HEADS AND RE-PIPE TO ACCOMMODATE CHANGES.

VALVE ID TAGS

EXISTING, RELOCATED, OR NEW VALVE:



233 SOUTH PLEASANT GROVE BLVD.  
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CONSULTANT INFORMATION

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17 North 400 West, Suite 200, Provo, UT 84601  
801.756.0413 www.insitedesigngroup.com

OWNER INFORMATION

CANYONS  
SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

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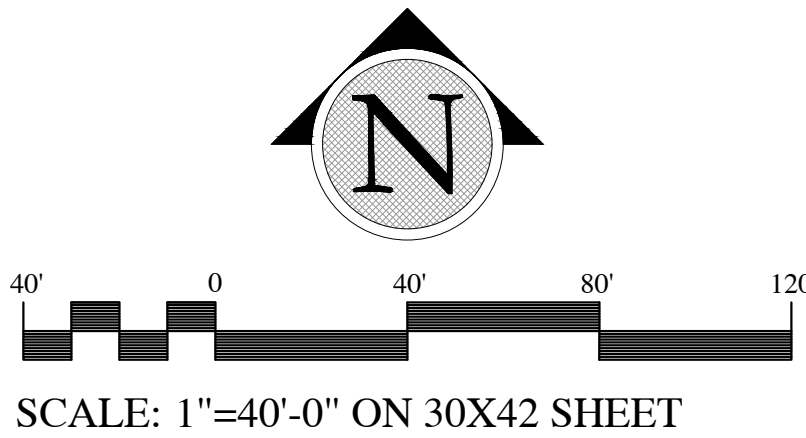
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SHEET TITLE























OVERALL  
IRRIGATION  
PLAN

SHEET NUMBER  
LS200



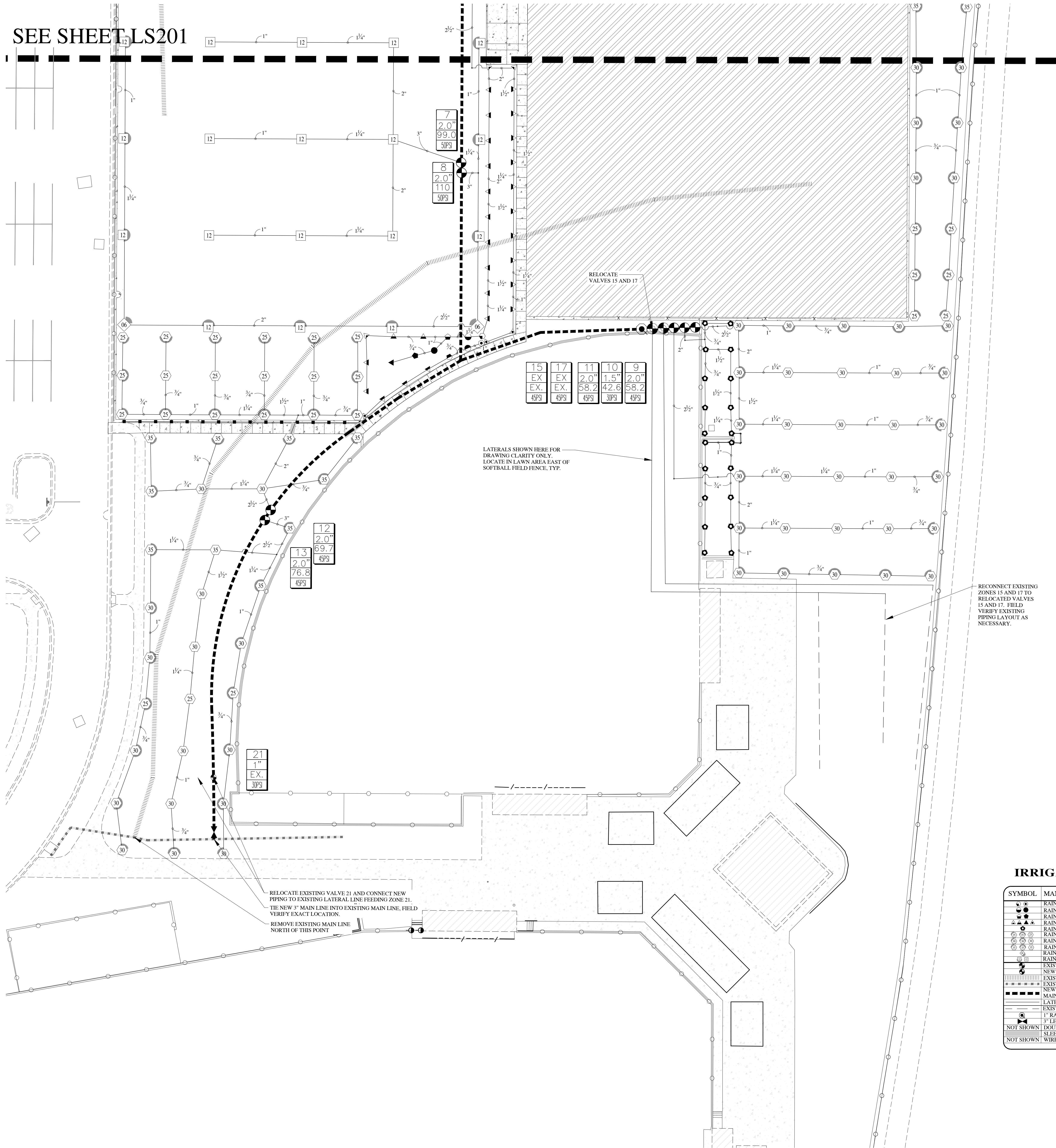




IRRIGATION LEGEND														
SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM							DEP GPH	DETAILS	REMARKS
					Q	T	H	F	I	TQ	F			
	RAIN BIRD 1806-PRS POP-UP SPRAY 8 SERIES	Q.H.F.-VAN	8	30	.26	--	--	--	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 10 SERIES	Q.H.F.	10	30	--	--	--	.79	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 15 SERIES	Q.H.F.	15	30	--	--	--	1.30	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 18 SERIES	Q.H.F.-H.E.VAN	15	30	.92	--	--	1.85	--	2.78	3.70	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 5006-PL-RS WITH MPK 25 SERIES NOZZLES	Q.T.I.P.L	25	45	1.33	--	--	2.66	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 5006-PL-RS WITH MPK 30 SERIES NOZZLES	Q.T.I.P.L	30	45	1.00	1.38	1.98	--	--	--	--	3.82	11	ADJUST ARC AS NEEDED
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	RAIN BIRD 5006-PL-RS WITH MPK 35 SERIES NOZZLES	Q.T.I.P.L	35	45	1.92	2.64	3.81	--	--	--	--	--	12	ADJUST ARC AS NEEDED
	RAIN BIRD FALCON 650A SS	Q.H.F.	44	50	--	--	--	--	--	--	--	--	12	ADJUST ARC AS NEEDED
	RAIN BIRD FALCON 650A SS	Q.H.F.	50	50	--	--	--	11	--	--	--	11	12	ADJUST ARC AS NEEDED
	EXISTING VALVES TO BE RELOCATED												13	14
	NEW RANDIRO PRESS VALVE, SIZE PER PLAN												14	RUMBO VALVE BOX
	EXISTING 3" SCH. 40 PVC MAINLINE TO BE REMOVED													
	EXISTING 3" SCH. 40 PVC MAINLINE TO REMAIN, MODIFY EXISTING MAINLINE PER PLANS													FIELD VERIFY EXACT LOCATION
	EXISTING 3" SCH. 40 PVC MAINLINE WITH LEAK DETECTING AND JUMP RESTRICTIONS UNLESS OTHERWISE NOTED; ALL MAINLINE SMALLER THAN 3" SHALL ALSO BE SCH. 40 PVC BUT SHALL HAVE SCH. 10 FITTINGS.												1, 2, 4, 5, 13	SEE IRRIGATION DETAILS
	LATRAL LINE, PVC SCH. 40 (SIZE PER PLAN)													SEE IRRIGATION DETAILS
	EXISTING LATRAL LINE:													SEE PLAN
	"1" RANDIRB QUICK COUPLER VALVE, MODEL #44N FOR IRRIGATION SYSTEM BELOWOUT, ALL STAINLESS STEEL FITTINGS & PIPE;													SEE IRRIGATION DETAILS
	"3" LEMCO FLANGED ISOLATION VALVE WITH "T" SQUARE NUT (INSTALL MANUAL DRAIN AT EACH ISOLATION VALVE);													SEE IRRIGATION DETAILS
	DOUBLE CHECK BACKFLOW PREVENTER													1, 4, 15, 16 ROUTE TO THE MAINLINE
	ELEVATE, SIZE TO BE A MINIMUM OF TWICE THE DIAMETER OF THE MANDE, LATRAL),													CORRELATE WITH ALL TRADES
	WIRE CHISEL, SIZE TO BE THE THICKNESS OF THE WIRE BUNDLE WITHIN "1" DIA. WC IS THE MINIMUM SIZED ALLOWED;													1, 4, 15, 16 COORDINATE WITH ALL TRADES

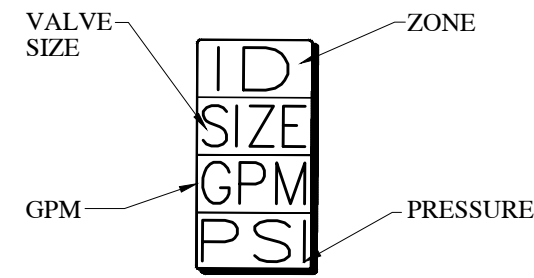


SEE SHEET LS201



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EXISTING, RELOCATED, OR NEW VALVE:

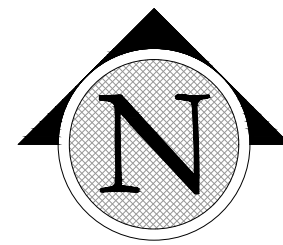


### IRRIGATION NOTES

- SEE SHEETS LS4.0 FOR IRRIGATION DETAILS. SEE SPECS FOR ADDITIONAL IRRIGATION INSTALLATION PROCEDURES.
- EXISTING AND NEW VALVES TO BE CONNECTED TO EXISTING CALSENSE 2-WIRE CONTROLLER. INSTALL NEW 2-WIRE AS NECESSARY. RE-USE EXISTING DECODERS FROM EXISTING VALVES THAT ARE TO BE REMOVED. ALL VALVES, VALVE BOXES, DRAINS, AND BOTH ENDS OF SLEEVES SHALL HAVE GPS POINTS TO CREATE AN GPS AS-BUILT DOCUMENT. CONSULT WITH THE OWNER FOR THE DELIVERABLE TYPE REQUIRED. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- ALL MAINLINE 3\"/>

### IRRIGATION LEGEND

SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	Q	T	H	TT	TQ	F	DRIP GPH	DETAILS	REMARKS
	RAIN BIRD 1806-PRS POP-UP SPRAY 8 SERIES	Q, H, F, VAN	8	30	26	--	--	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 10 SERIES	H, F	10	30	--	--	79	--	--	1.58	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 12 SERIES	H, F	12	30	--	--	130	--	--	2.60	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 15 SERIES	Q, H, F, HE-VAN	15	30	0.92	--	1.85	--	2.78	3.70	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 1806-PRS POP-UP SPRAY 18 SERIES	HE-VAN	18	30	1.33	--	2.66	--	--	--	--	11	ADJUST ARC AS NEEDED
	RAIN BIRD 5006-PL-R-SS WITH MPR 35 SERIES NOZZLES	Q, T, H, F	25	45	1.00	1.38	1.98	--	--	3.82	--	12	ADJUST ARC AS NEEDED
	RAIN BIRD 5006-PL-R-SS WITH MPR 30 SERIES NOZZLES	Q, T, H, F	30	45	1.40	1.85	2.96	--	--	5.78	--	12	ADJUST ARC AS NEEDED
	RAIN BIRD 5006-PL-R-SS WITH MPR 35 SERIES NOZZLES	Q, T, H, F	35	45	1.92	2.46	3.81	--	--	--	--	12	ADJUST ARC AS NEEDED
	RAIN BIRD FALCON 6504 SS	Q	44	50	5.5	--	--	--	--	--	--	12	ADJUST ARC AS NEEDED
	RAIN BIRD FALCON 6504 SS	H, F	50	50	--	--	11	--	--	11	--	13	ADJUST ARC AS NEEDED
	NEW RAINBIRD PEBB VALVE, SIZE PER PLAN											13, 14	JUMBO VALVE BOX
	EXISTING 3\"/>											--	FIELD VERIFY EXACT LOCATION
	EXISTING 1\"/>											1, 2, 4, 5, 13	SEE IRRIGATION DETAILS
	NEW 3\"/>											1, 4	SEE IRRIGATION DETAILS
	LATERAL LINE, PVC SCH. 40, SIZE PER PLAN											--	SEE PLAN
	EXISTING LATERAL LINE											--	SEE PLAN
	1\"/>											9	SEE IRRIGATION DETAILS
	3\"/>											5	SEE IRRIGATION DETAILS
	DOUBLE JACKETED 2-WIRE CABLE PER CALSENSE SPECS.											1, 4, 15, 16	ROUTE WITH MAINLINE
	SLEEVE (SIZE TO BE A MIN. OF TWICE THE DIAMETER OF THE MAIN, LATERAL)											1, 4, 15, 16	COORDINATE WITH ALL TRADES
	WIRE CHASE, SIZE TO BE TWICE THE DIAMETER OF THE WIRE BUNDLE WITHIN, 1\"/>											1, 4, 15, 16	COORDINATE WITH ALL TRADES



SCALE: 1"=20'-0" ON 30X42 SHEET



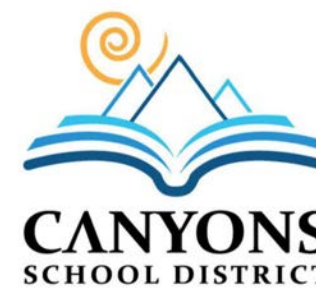
#### PROFESSIONAL STAMP



#### CONSULTANT INFORMATION



#### OWNER INFORMATION



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

#### REVISIONS

DESCRIPTION	DATE

#### PROJECT INFORMATION

DATE: SEP 12, 2024  
PROJECT #: 24-013  
PM / PA: CBW  
PIC: HAH

#### DRAWING SET STATUS

#### BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

#### SHEET TITLE

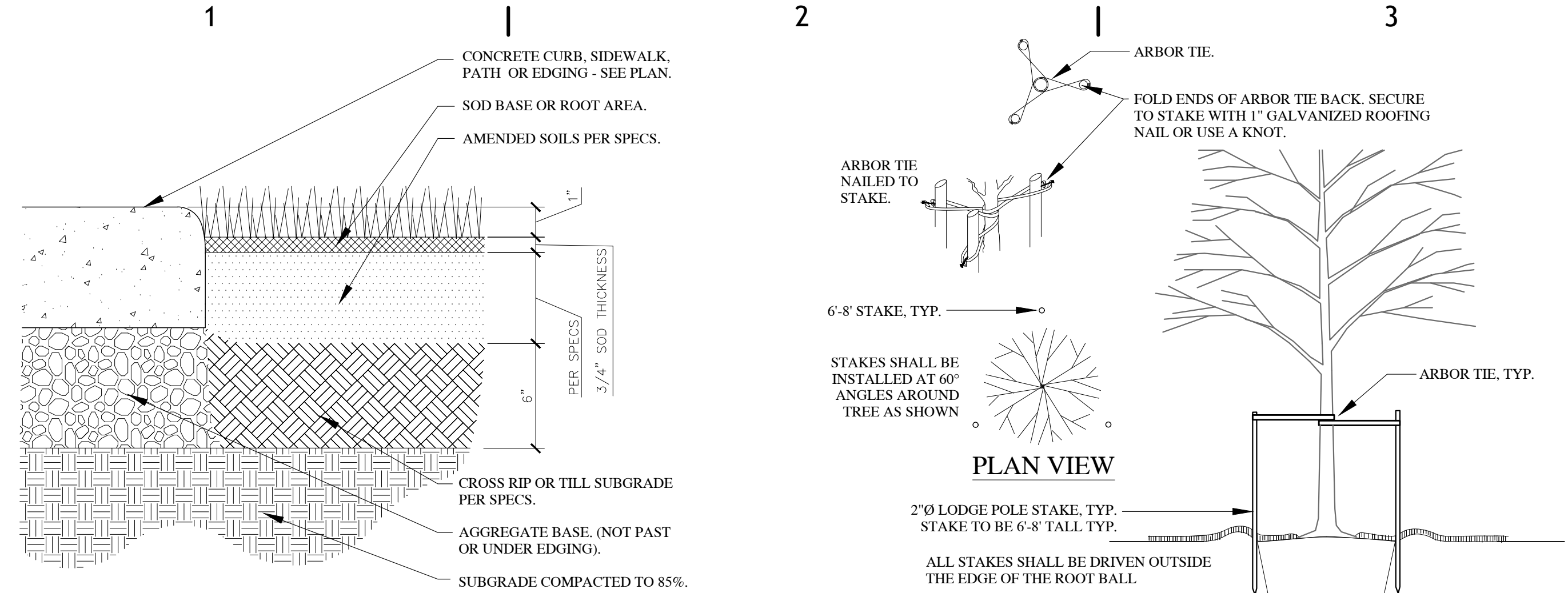
#### IRRIGATION PLAN

#### SHEET NUMBER

LS202



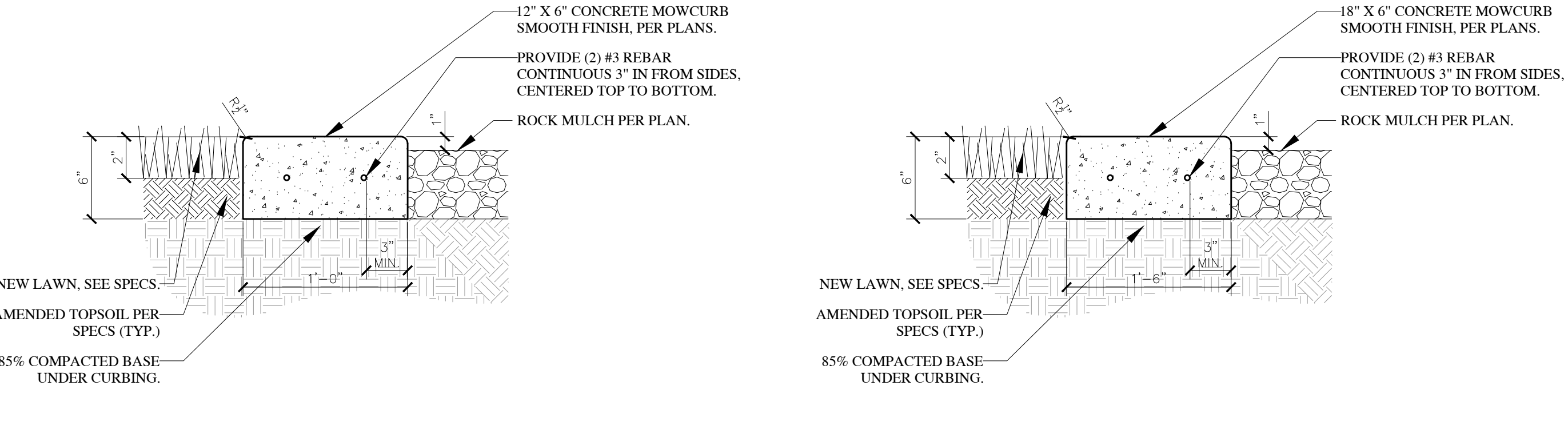
A



- NOTES:
1. ENSURE FINISH GRADE IS 1" BELOW TOP OF CURB, WALK, OR EDGING. CONSULT WITH OWNER FOR PROPER DEPTH.
  2. SEE SOD SPECS FOR ADDITIONAL INFORMATION ON SODDING AND SEEDING REQUIREMENTS
  3. EDGING OF SOD TO BE SHOVEL CUT WHEN NOT NEXT TO CONCRETE SIDEWALK OR PATH.
  4. TURF IS THE MOST HEALTHY AND WATER EFFICIENT WHEN MOWED AT A MIN. HEIGHT OF 2 1/2" - 3".

1 SOD LAYING AND EDGE SCALE: NTS

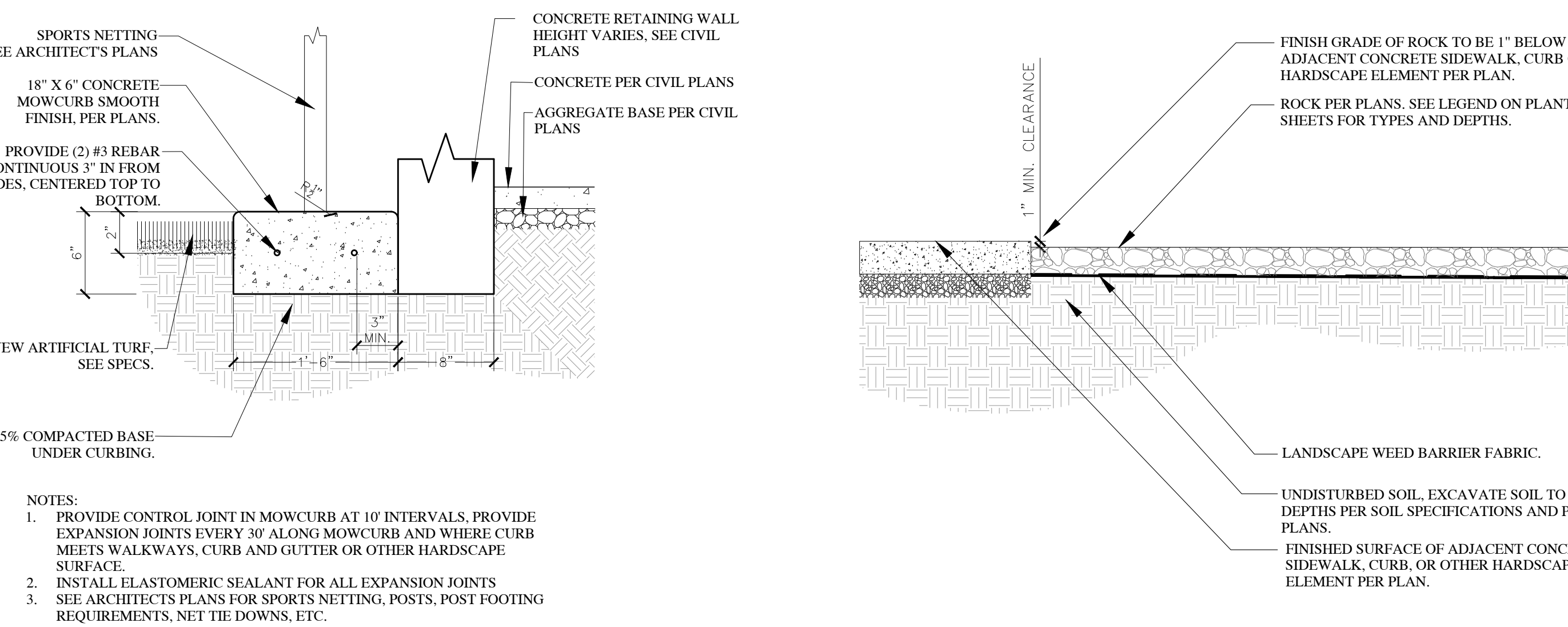
B



- NOTES:
1. IF TREE STAKING IS REQUIRED, THE FOLLOWING IS RECOMMENDED:
    1. ALLOW FOR SOME TRUNK MOVEMENT. ATTACH ARBOR TIE TO TREE AND STAKE.
    2. REMOVE ALL WRAPPING MATERIAL FROM ROOTBALL PRIOR TO PLANTING.
    3. INSTALL THREE STAKES PER TREE, SPACED EVENLY AROUND THE TRUNK.
    4. REMOVE ALL STAKING AS SOON AS THE TREE IS STABLE.
    5. CONTRACTOR SHALL PROVIDE TREE STAKING AS A BID ALTERNATE.
    6. CONTRACTOR TO REMOVE NURSERY TREE STAKE FROM ROOTBALL AT TIME OF PLANTING (TYP.).

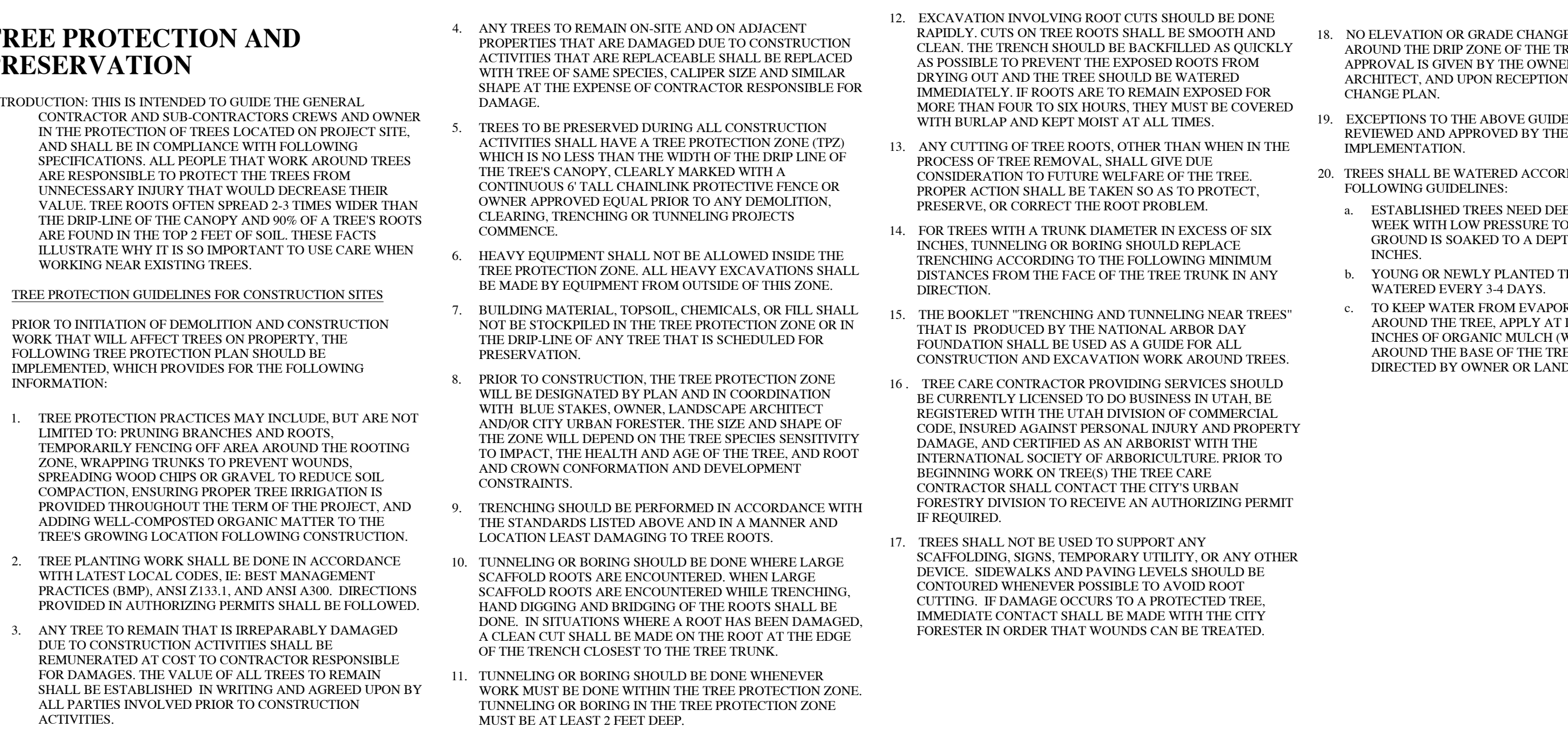
2 DECIDUOUS TREE STAKING SCALE: NTS

C



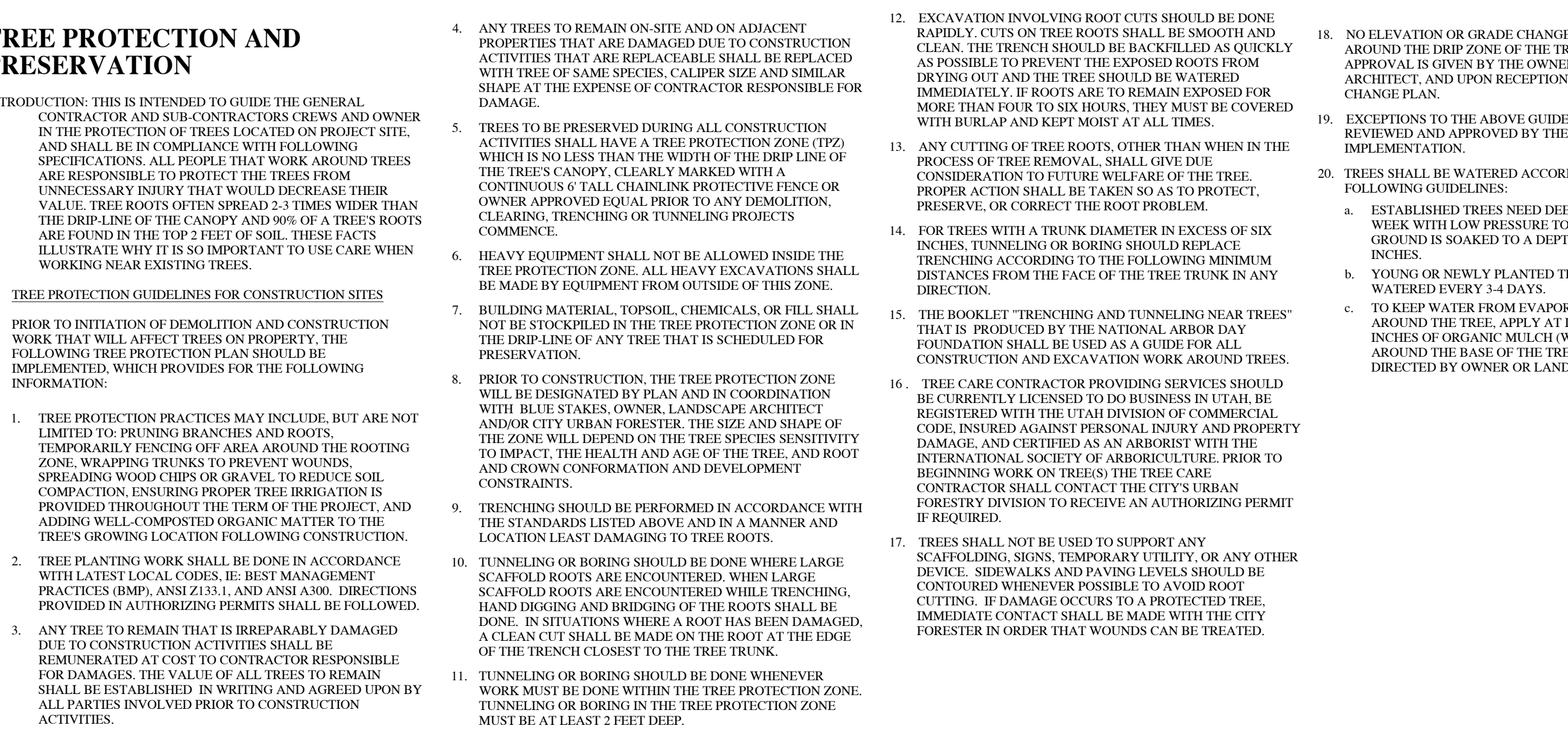
3 DECIDUOUS TREE PLANTING SCALE: NTS

D



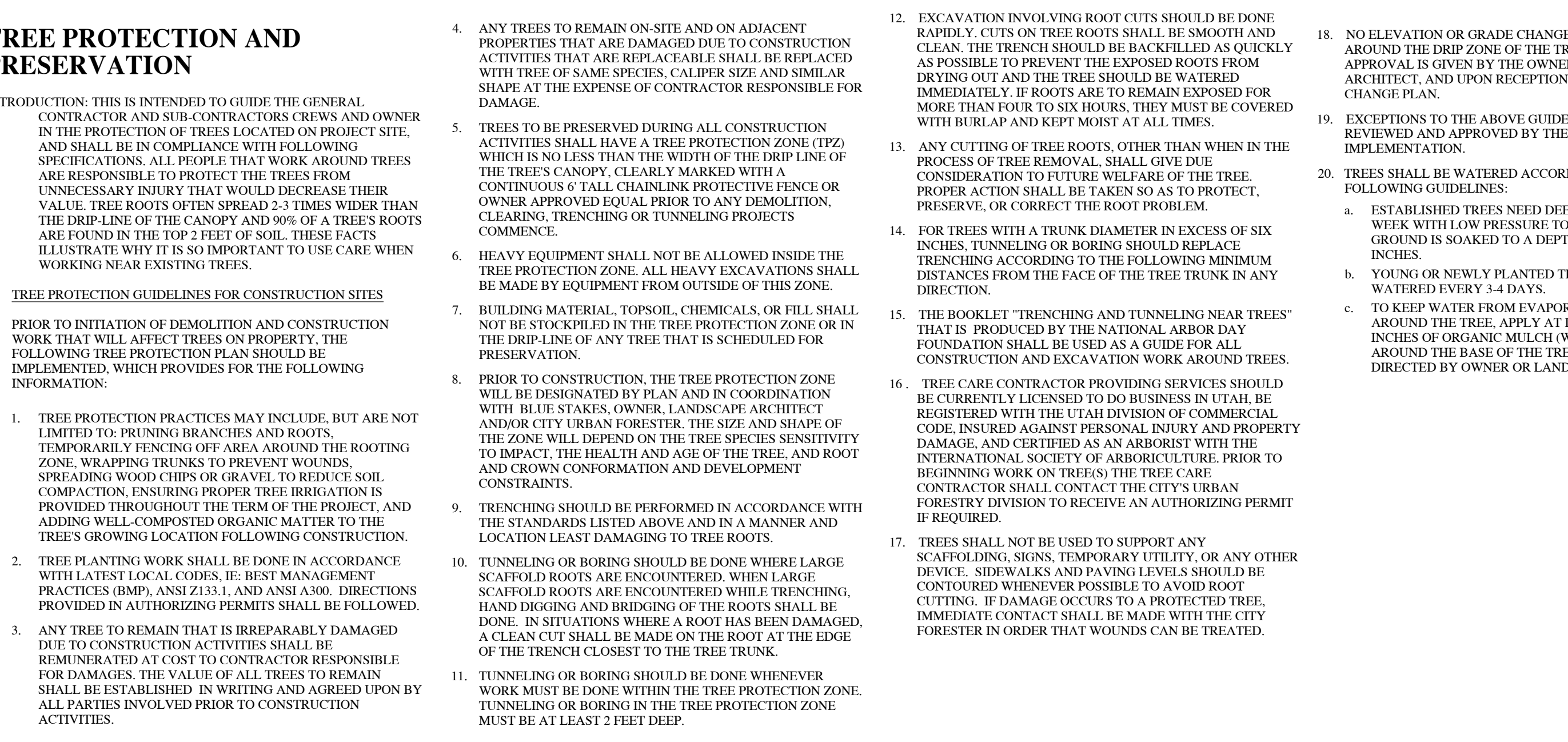
4 TREE WELL IN TURF AREA SCALE: NTS

E



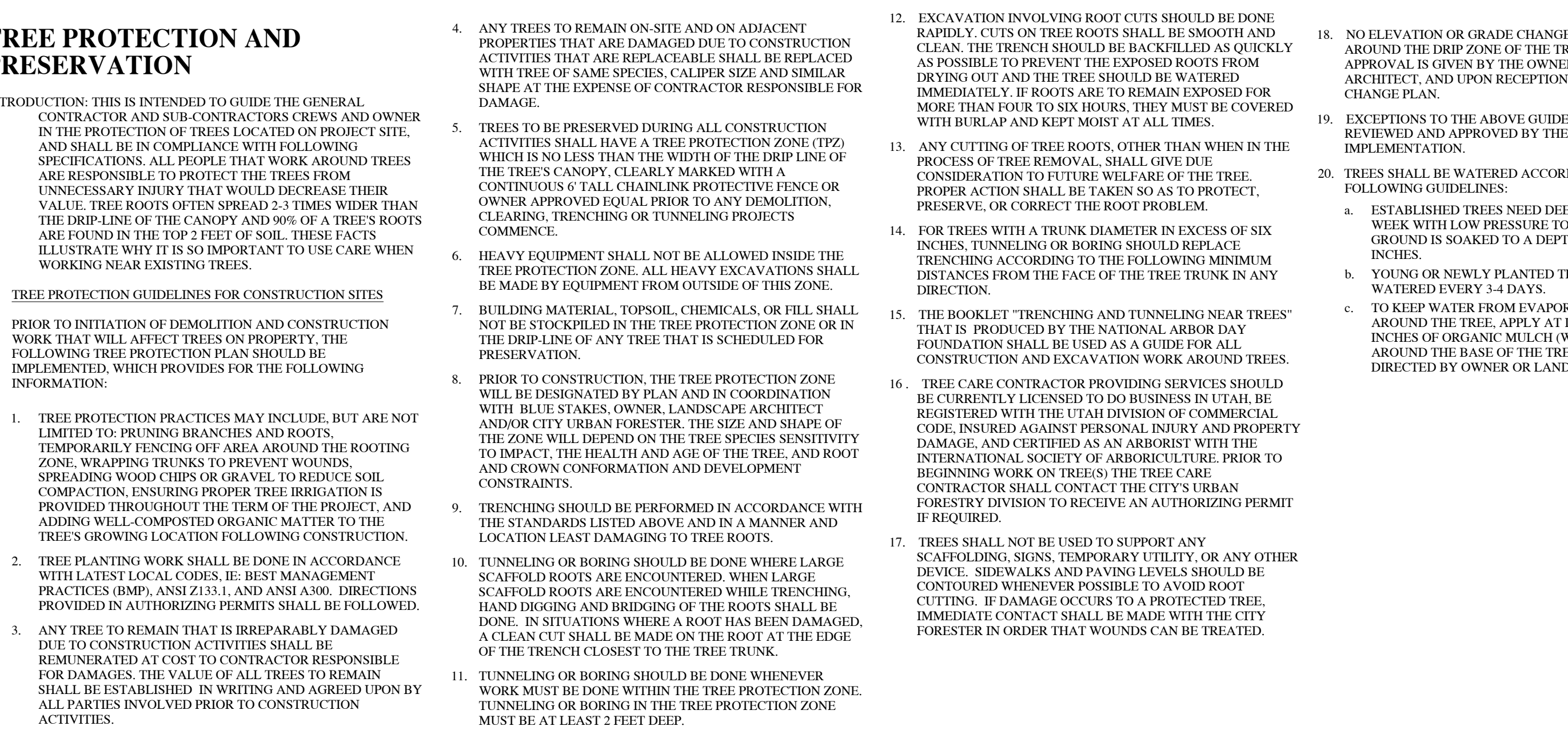
5 TREE WELL IN TURF AREA SCALE: NTS

F



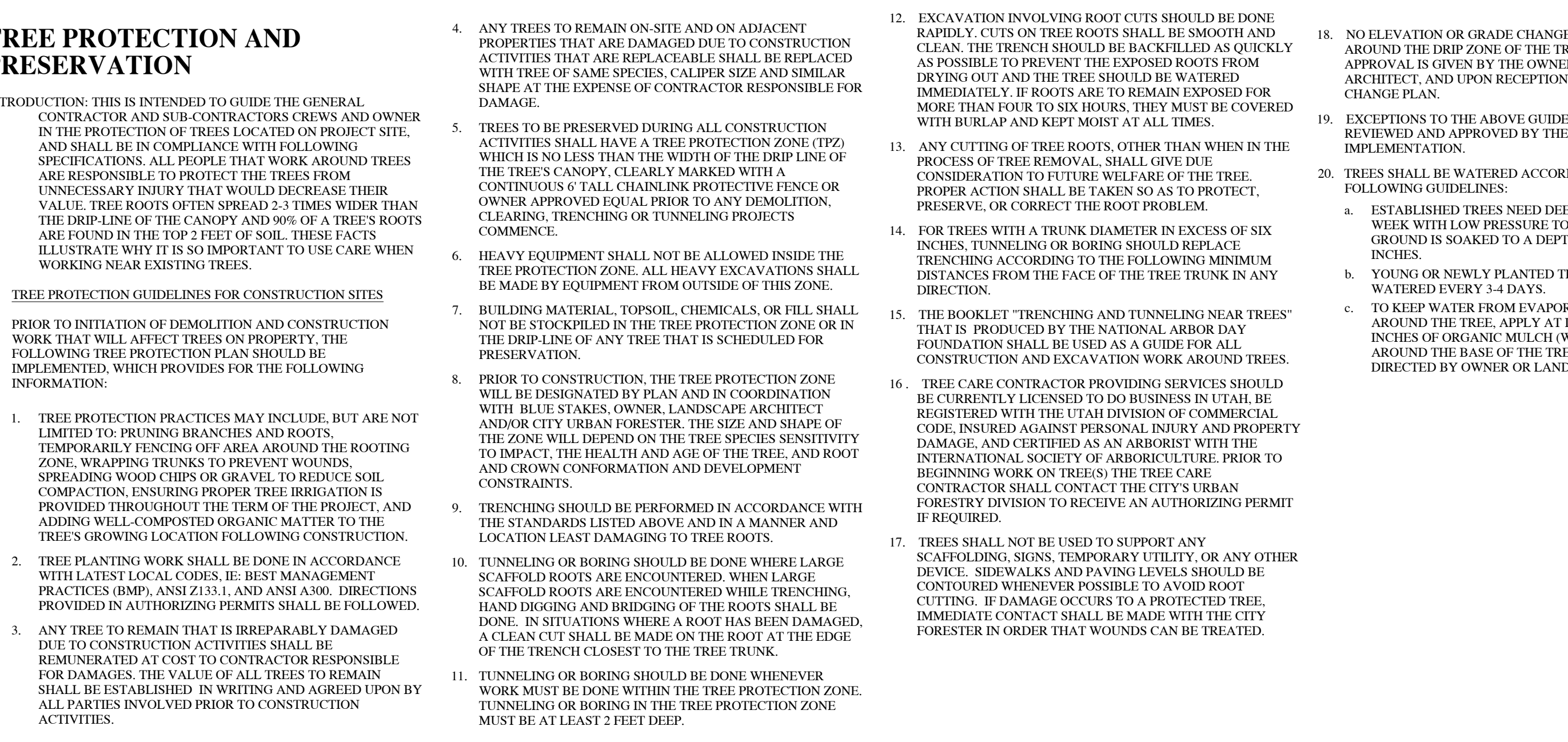
6 TREE WELL IN TURF AREA SCALE: NTS

G



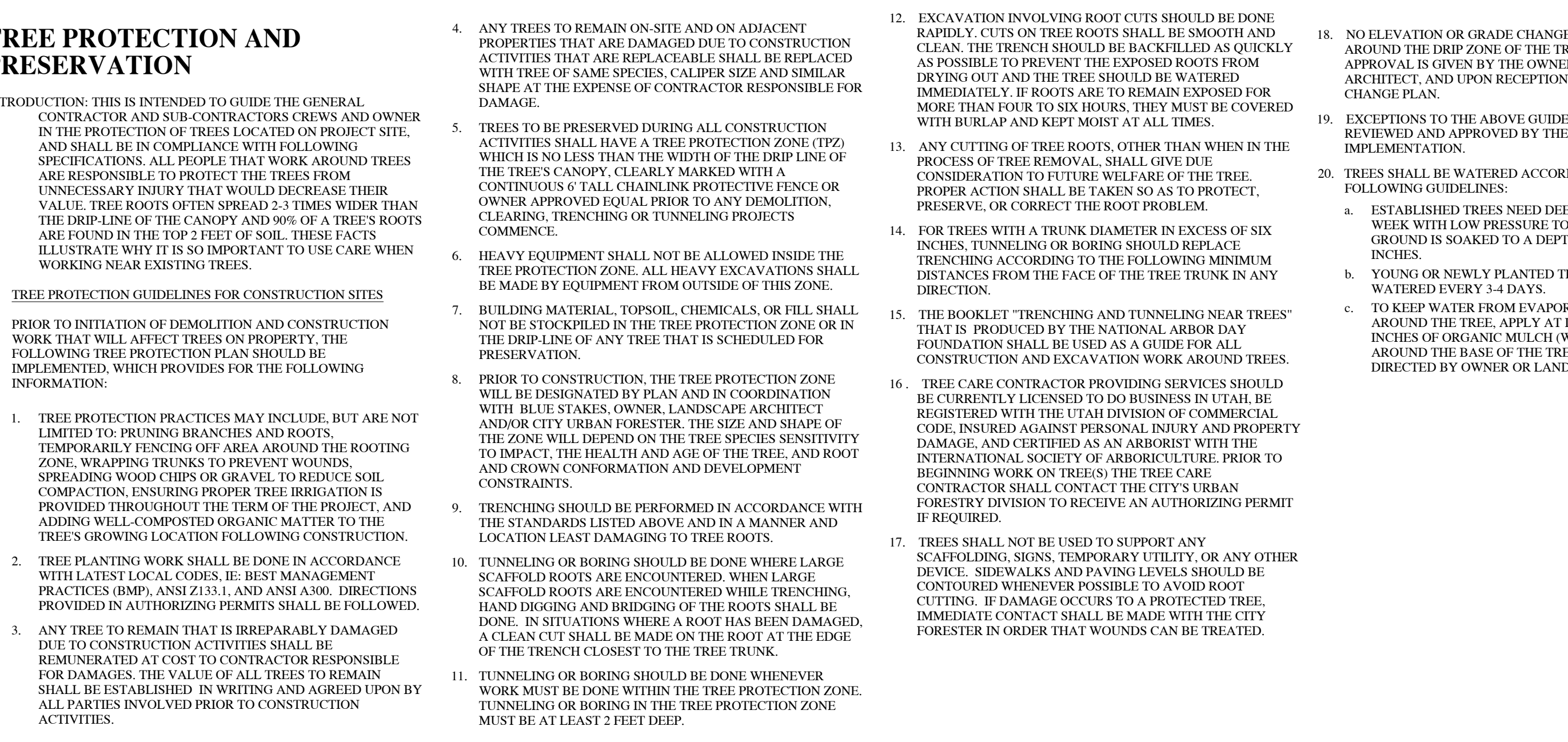
7 TREE WELL IN TURF AREA SCALE: NTS

H



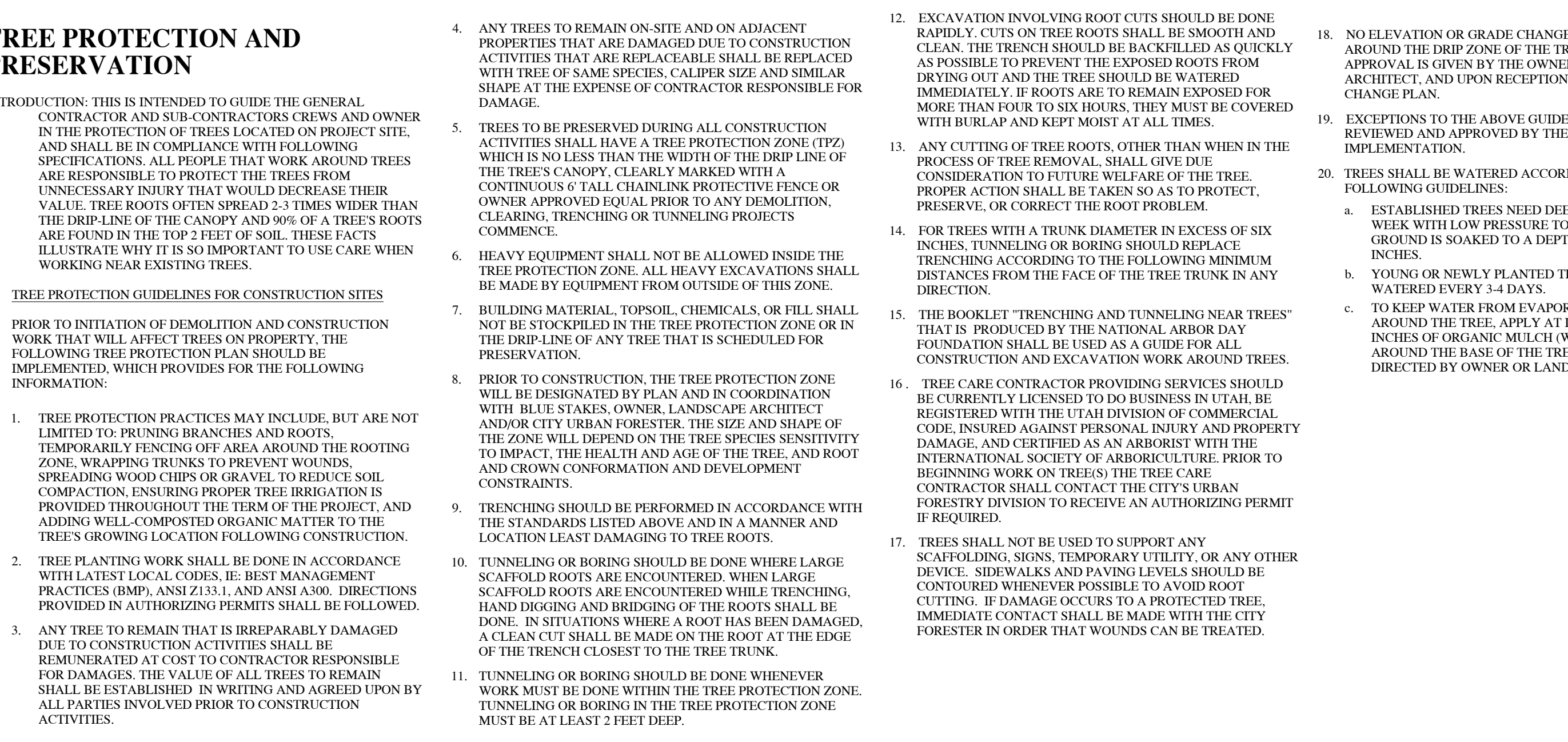
8 TREE WELL IN TURF AREA SCALE: NTS

I



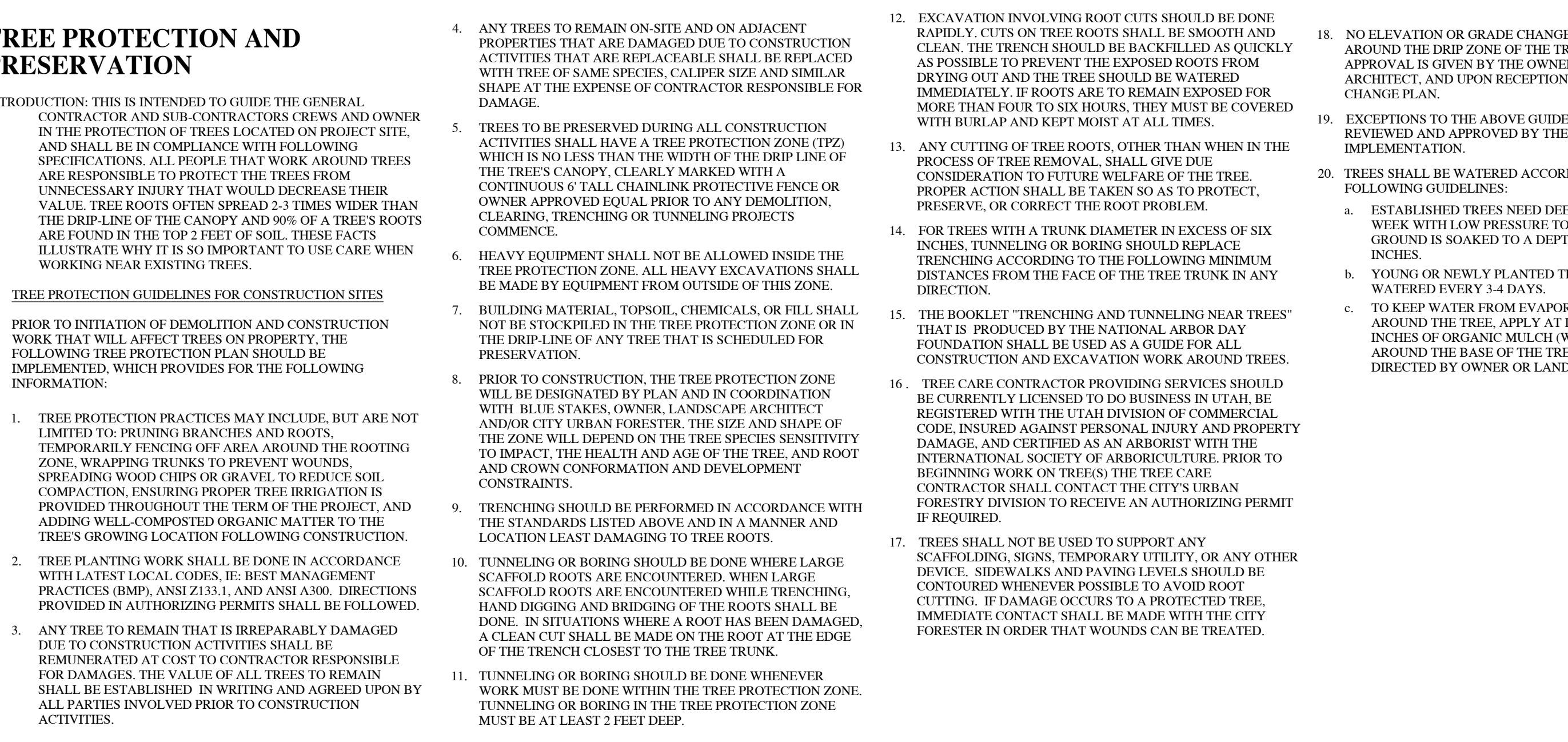
9 TREE WELL IN TURF AREA SCALE: NTS

J



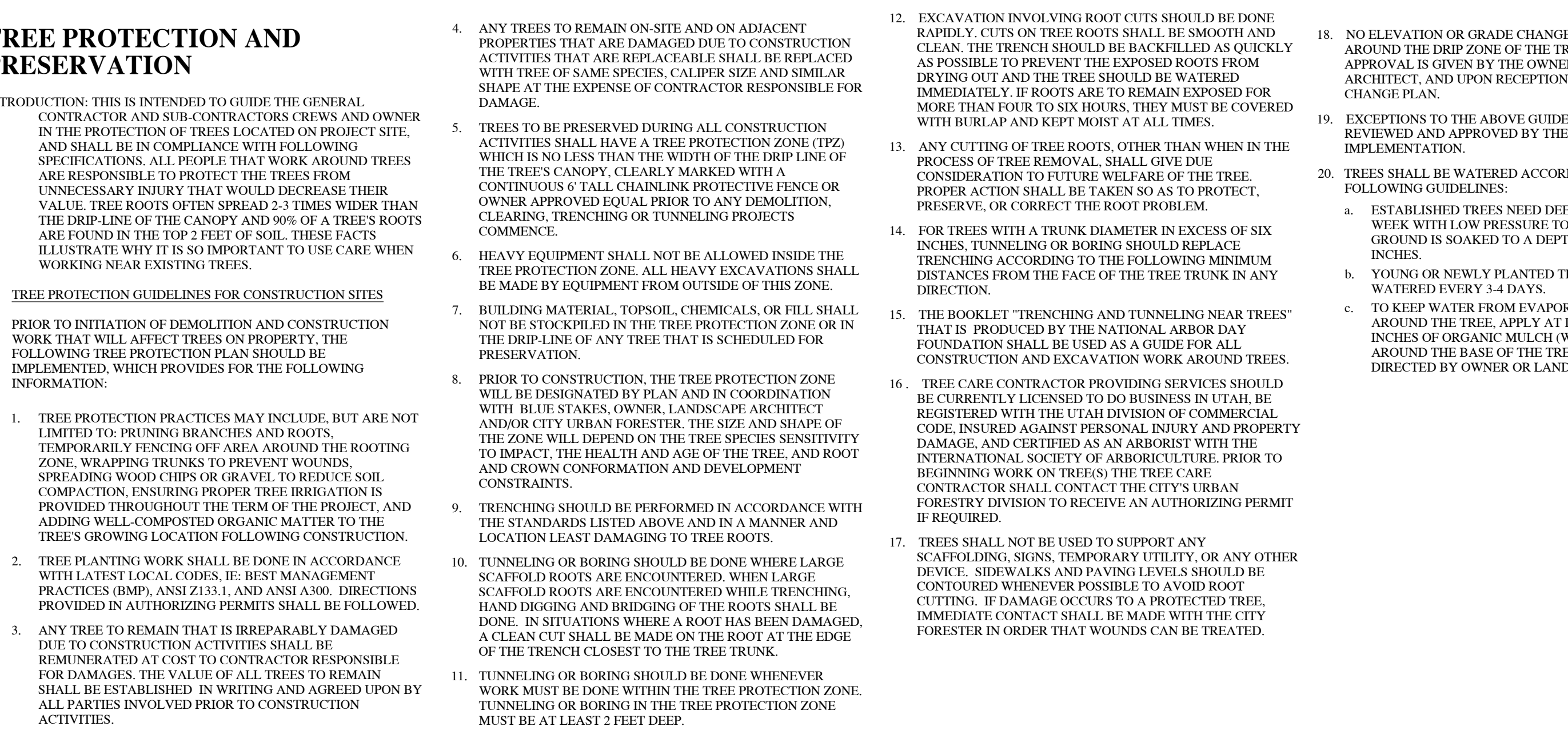
10 TREE WELL IN TURF AREA SCALE: NTS

K



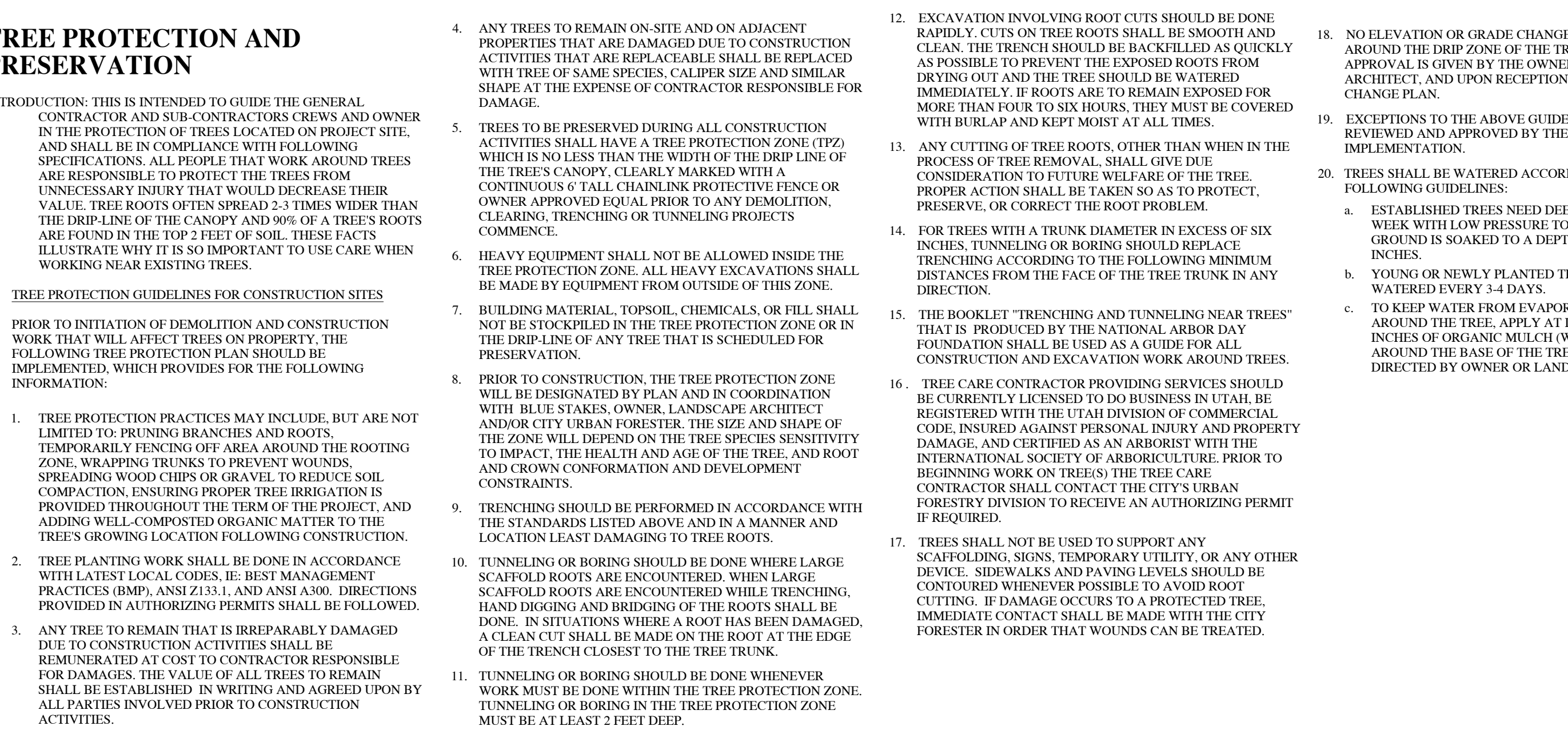
11 TREE WELL IN TURF AREA SCALE: NTS

L



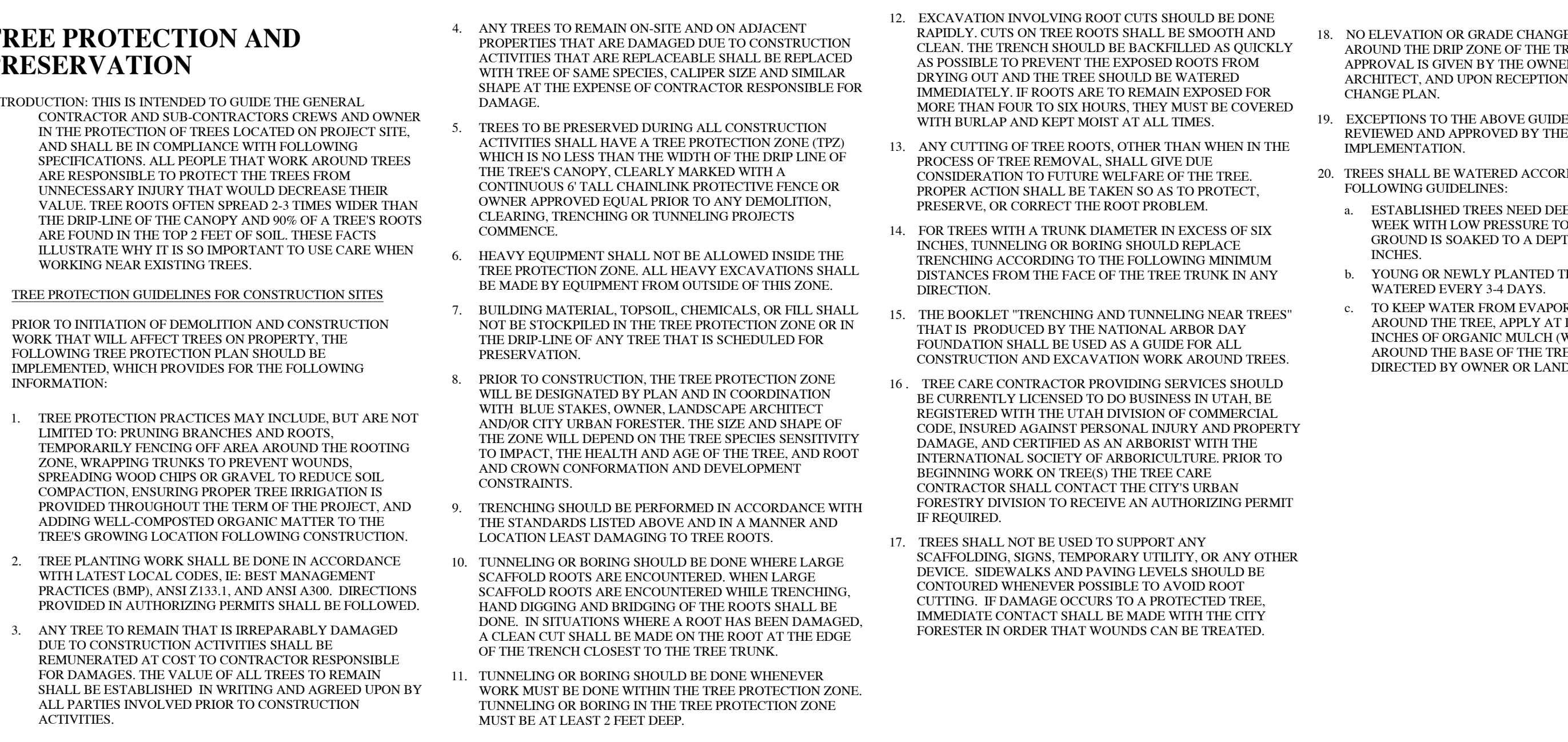
12 TREE WELL IN TURF AREA SCALE: NTS

M



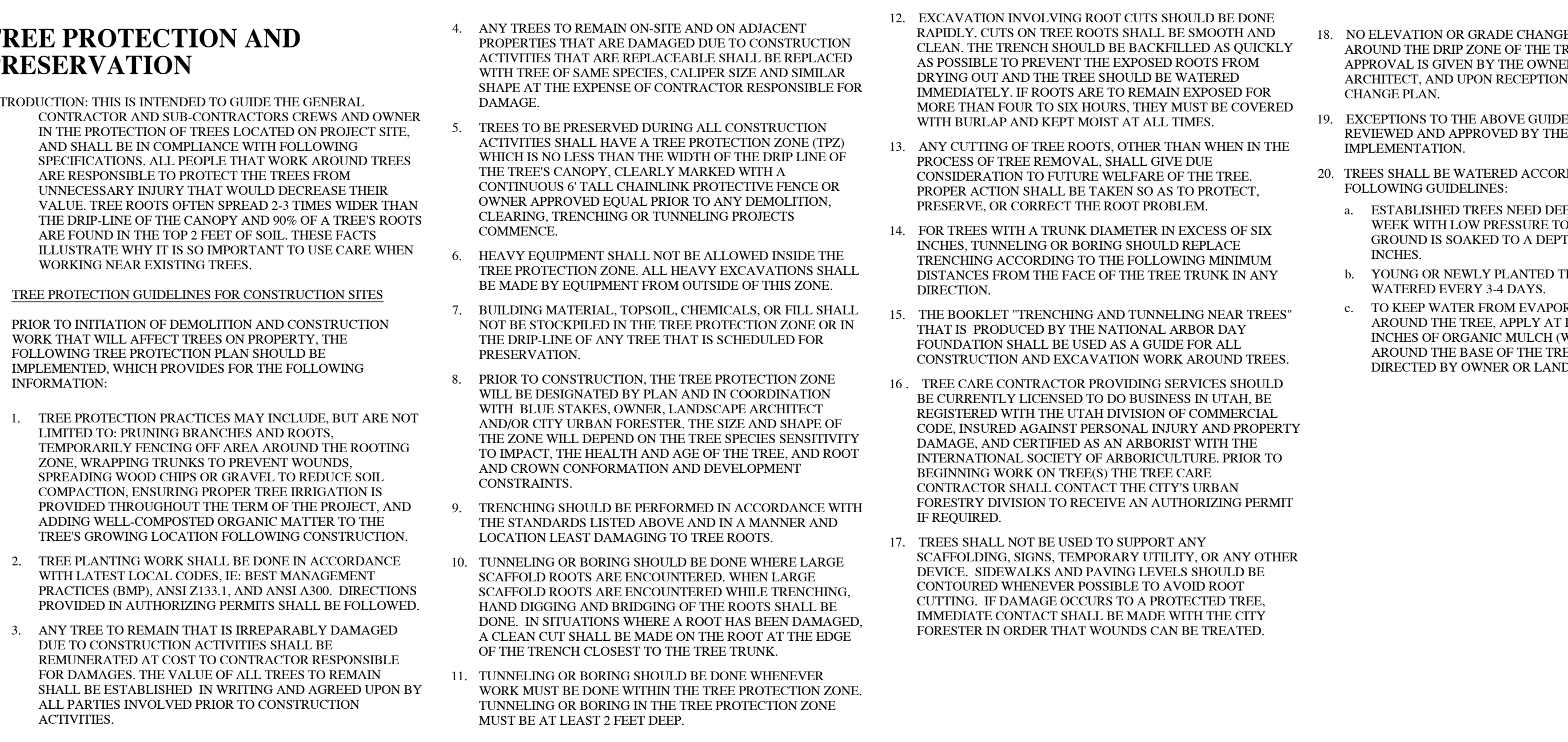
13 TREE WELL IN TURF AREA SCALE: NTS

N



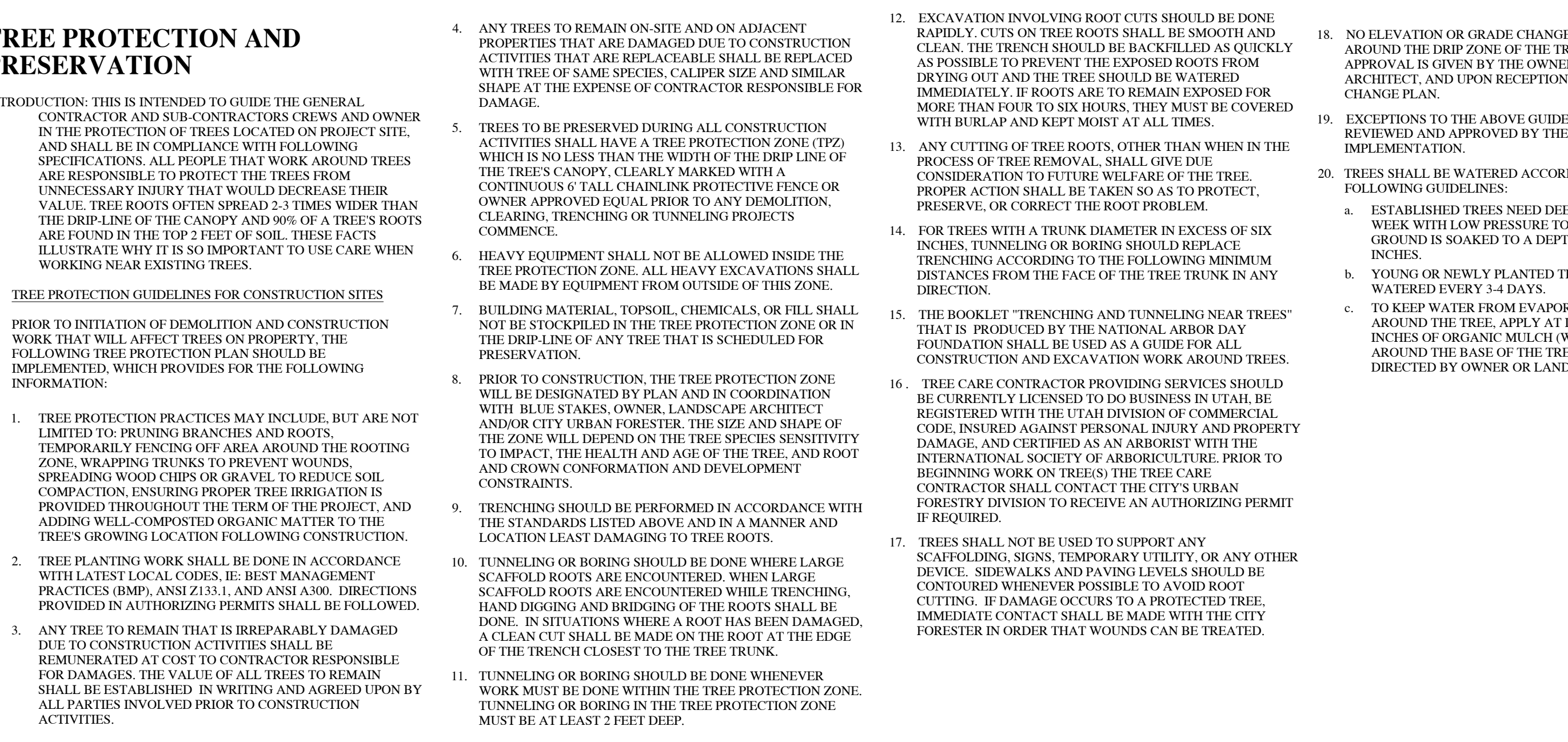
14 TREE WELL IN TURF AREA SCALE: NTS

O



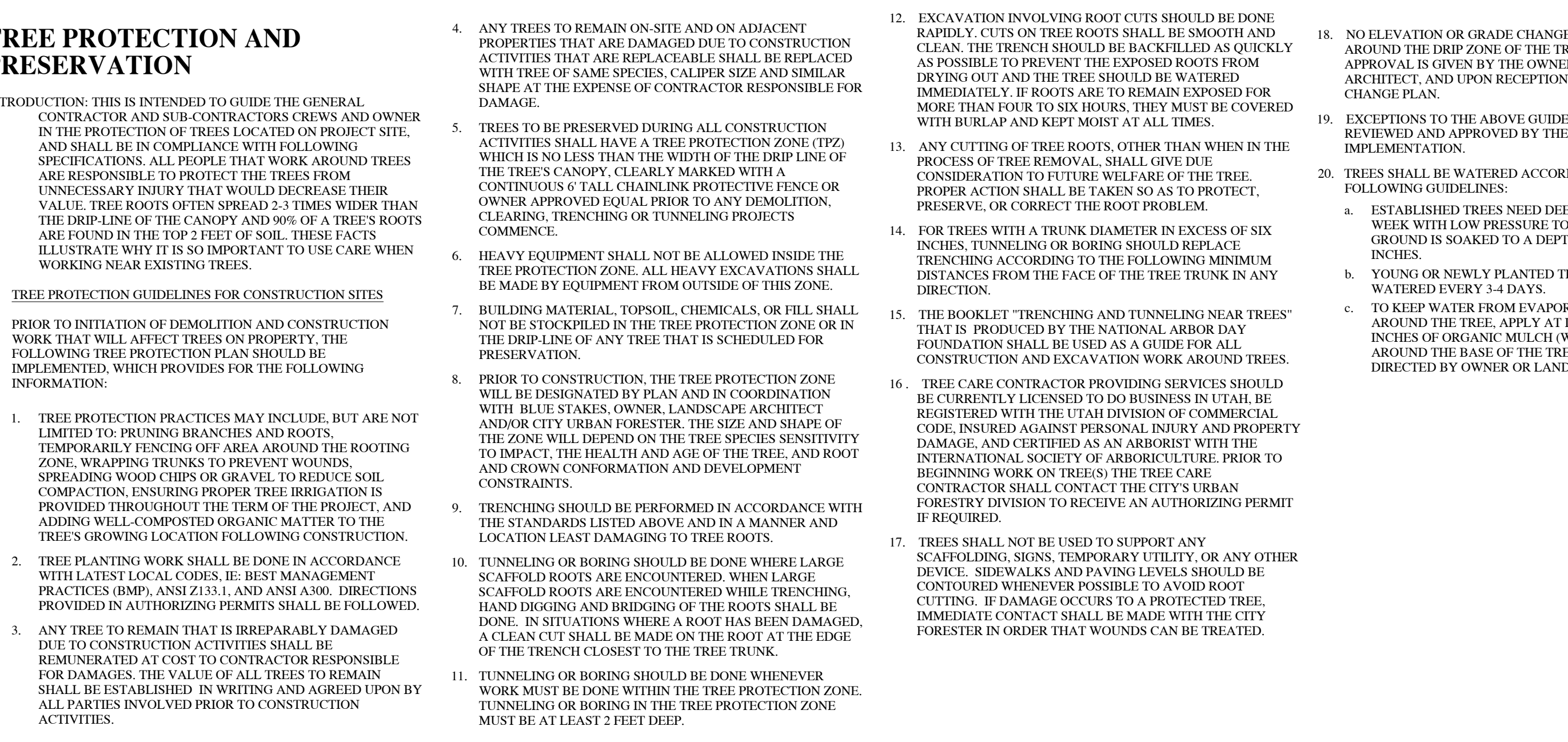
15 TREE WELL IN TURF AREA SCALE: NTS

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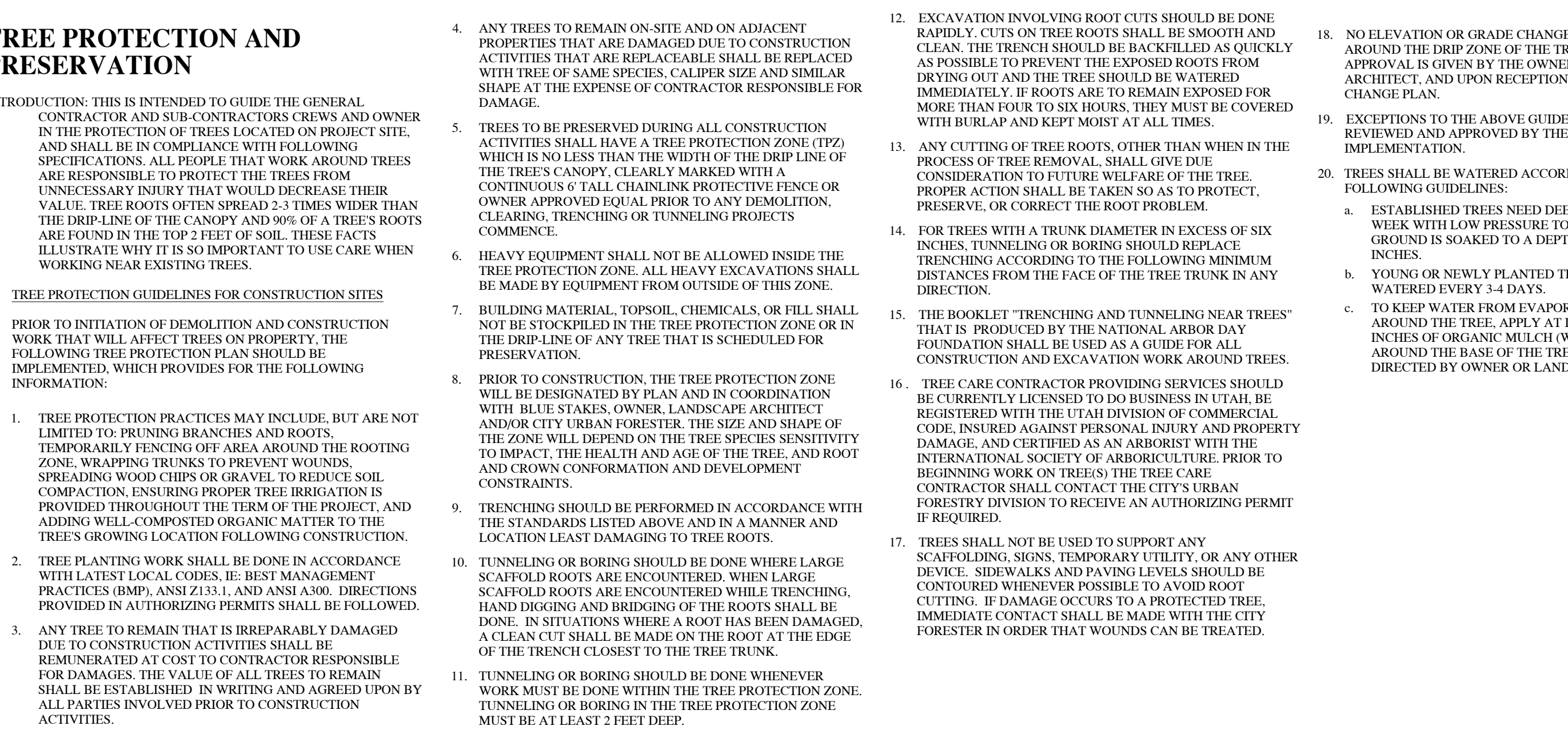
16 TREE WELL IN TURF AREA SCALE: NTS

Q



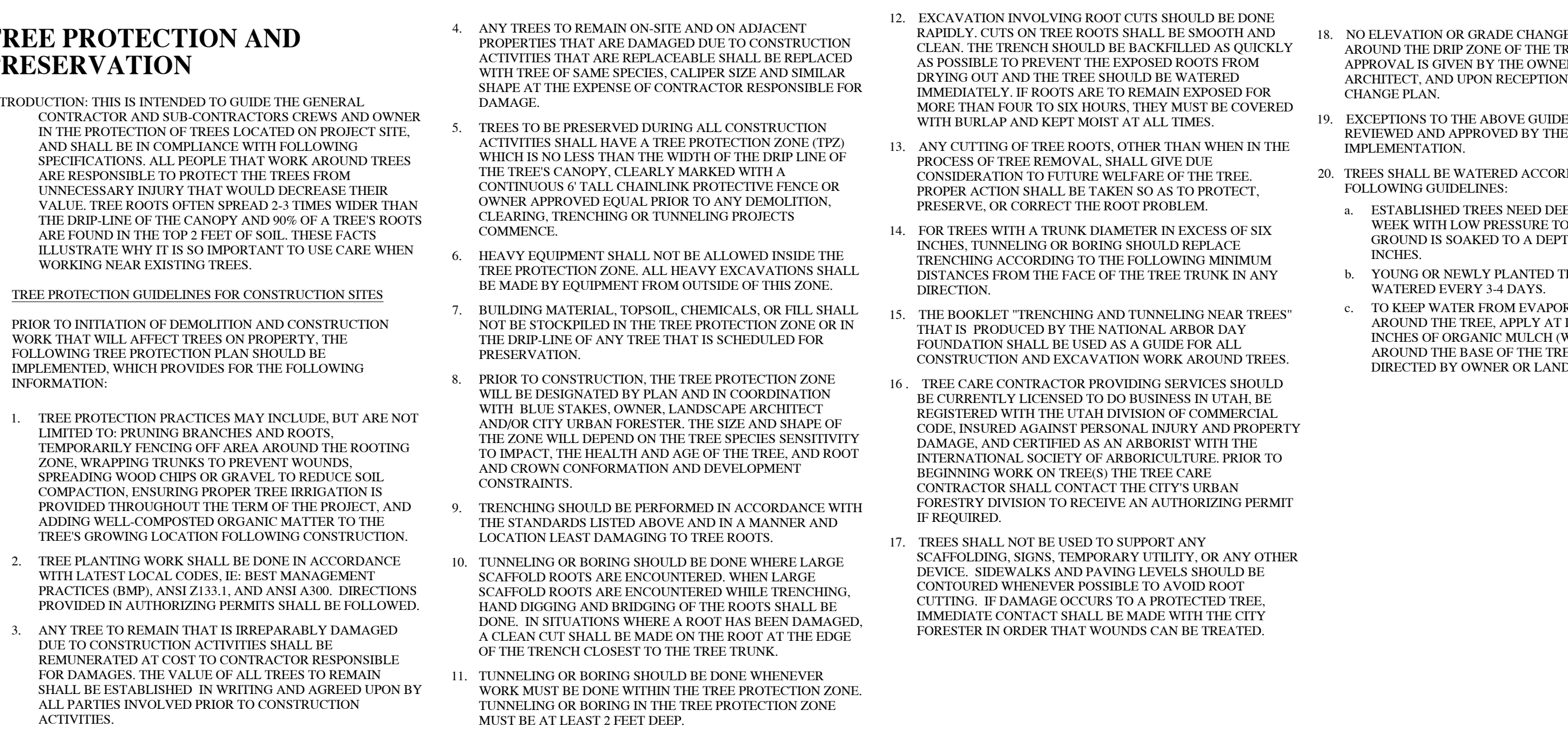
17 TREE WELL IN TURF AREA SCALE: NTS

R



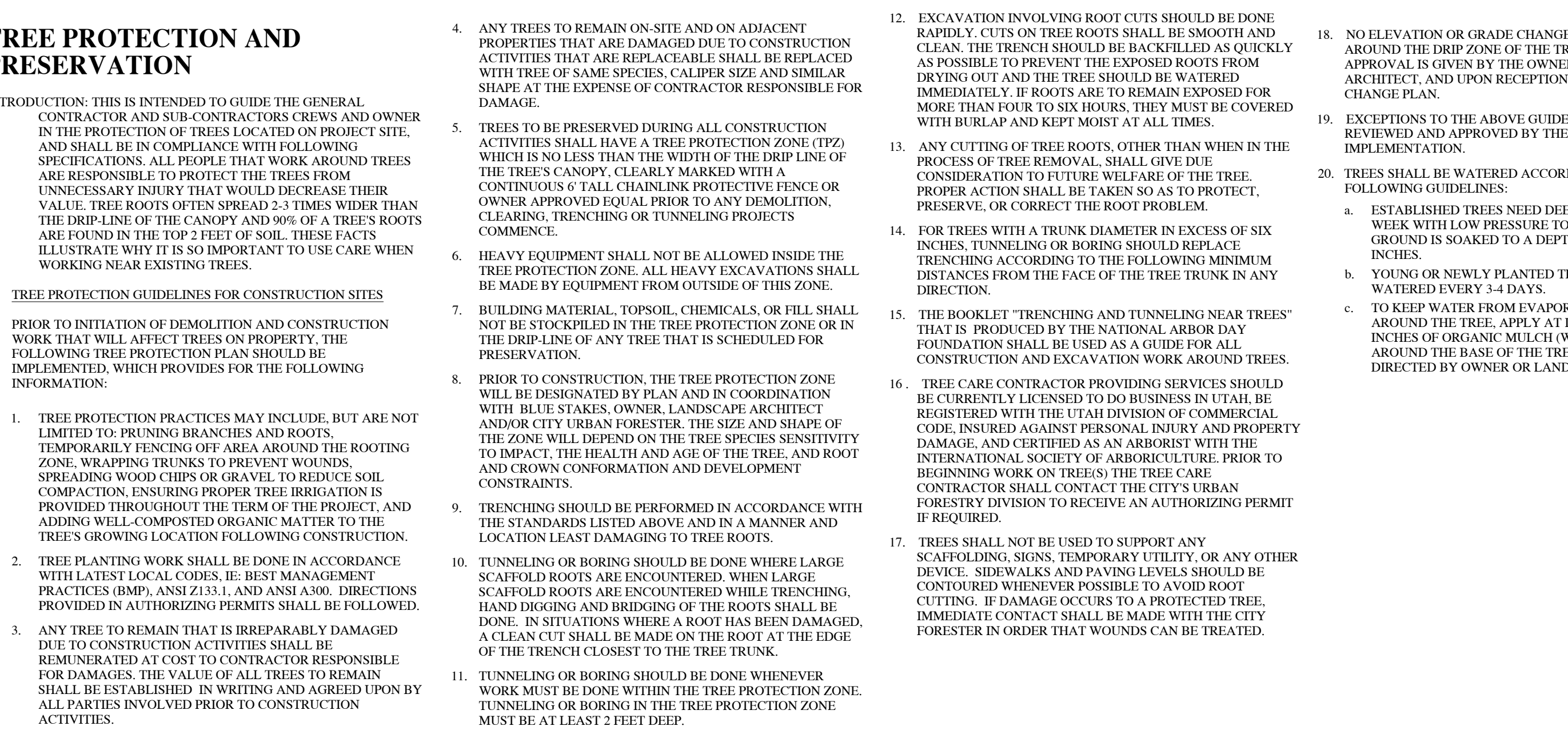
18 TREE WELL IN TURF AREA SCALE: NTS

S



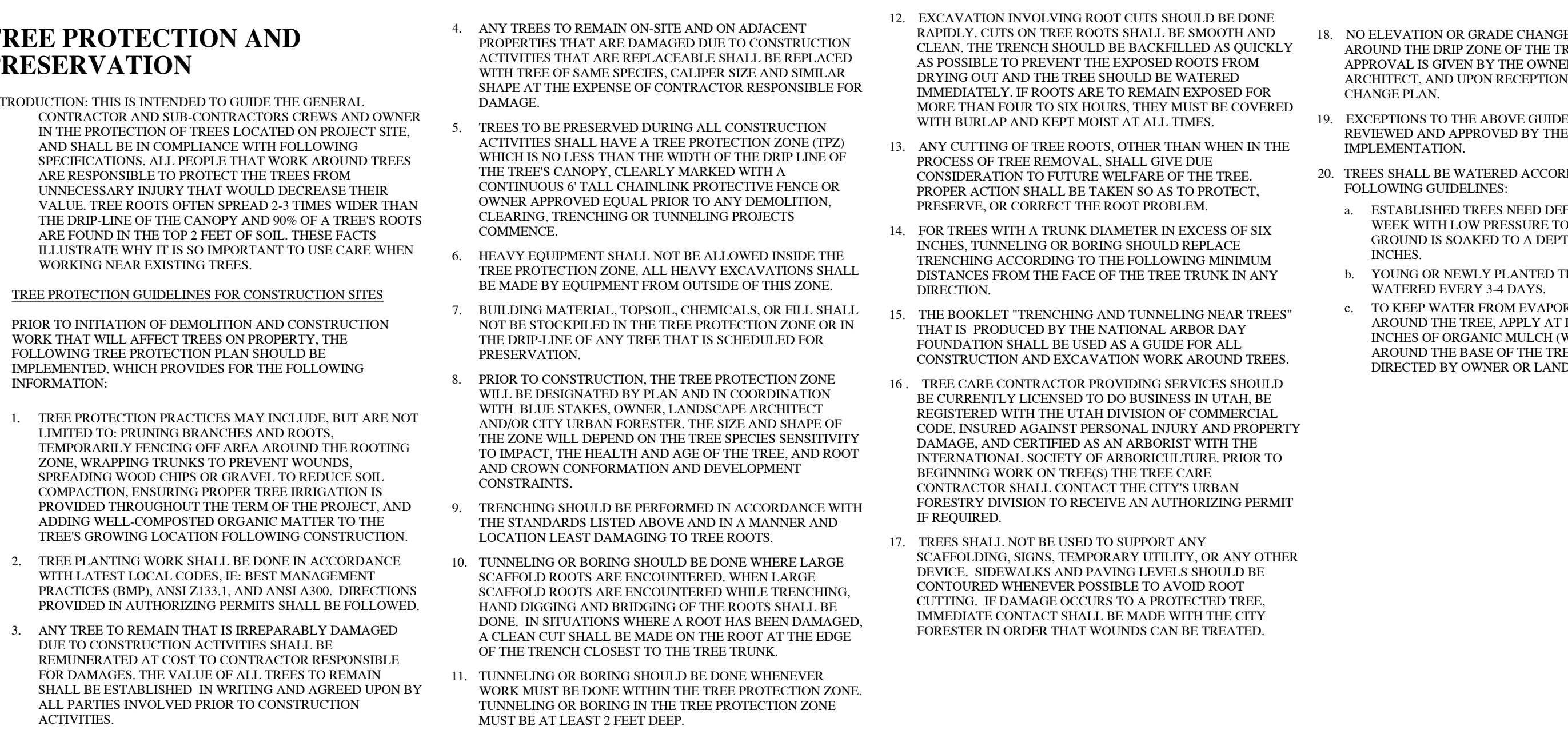
19 TREE WELL IN TURF AREA SCALE: NTS

T



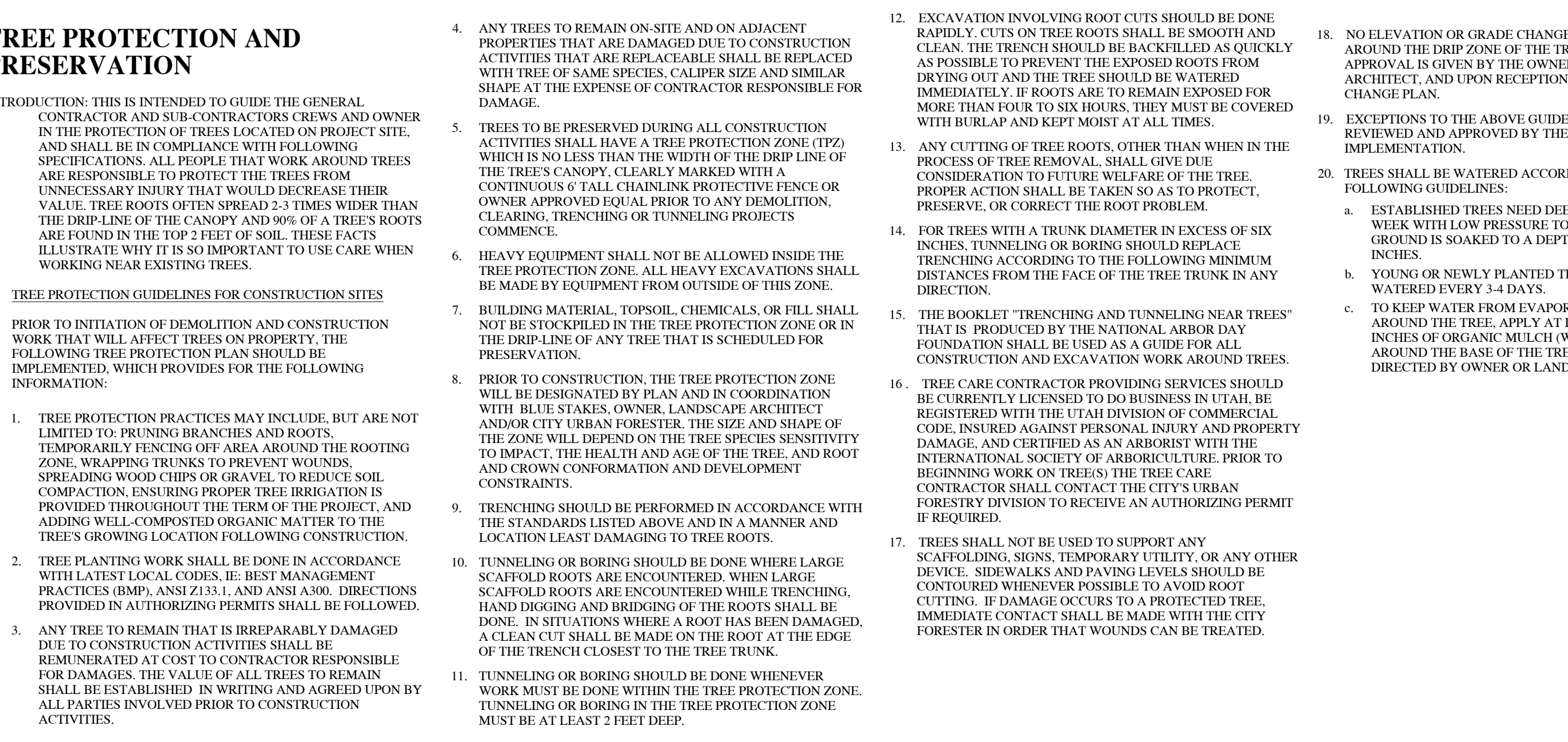
20 TREE WELL IN TURF AREA SCALE: NTS

U



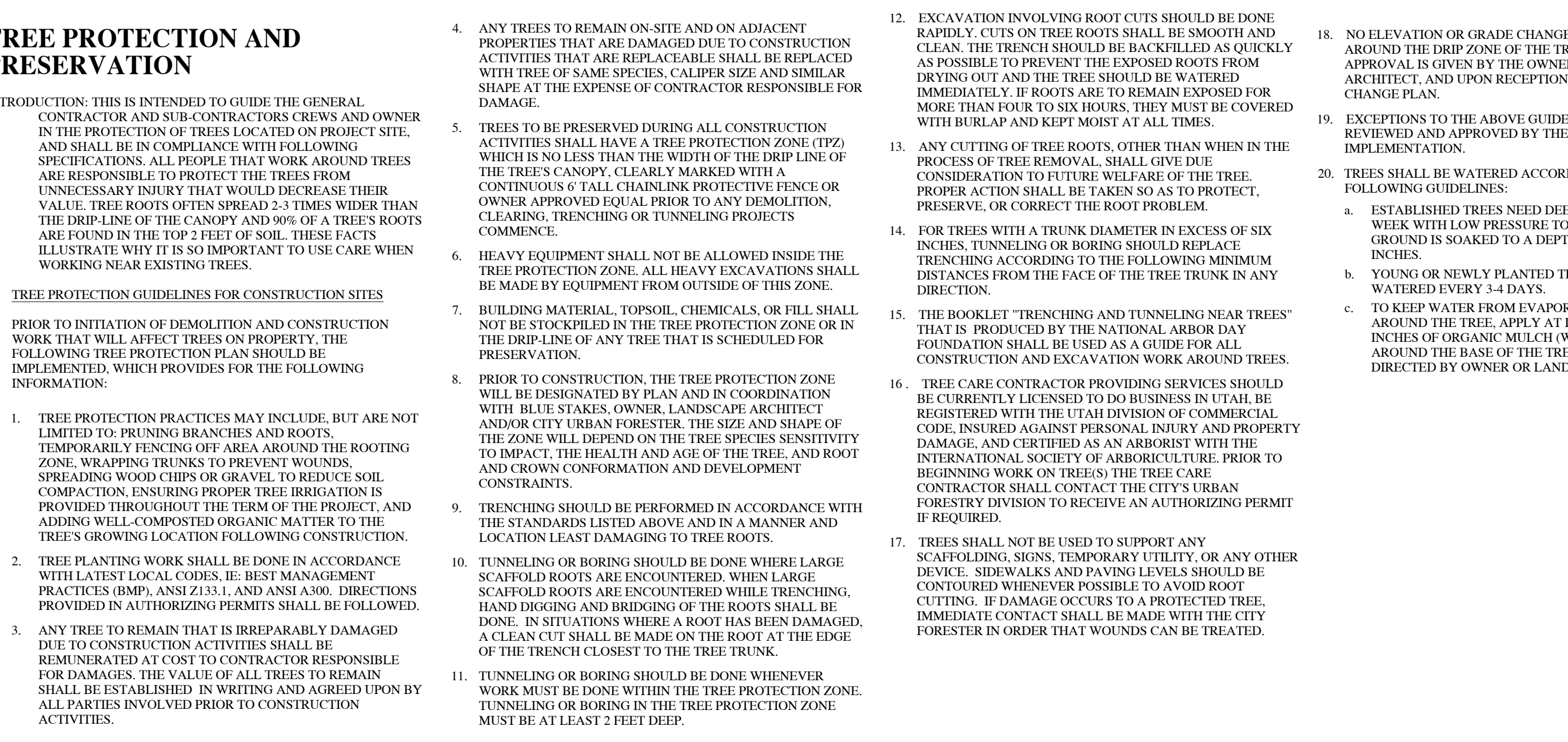
21 TREE WELL IN TURF AREA SCALE: NTS

V



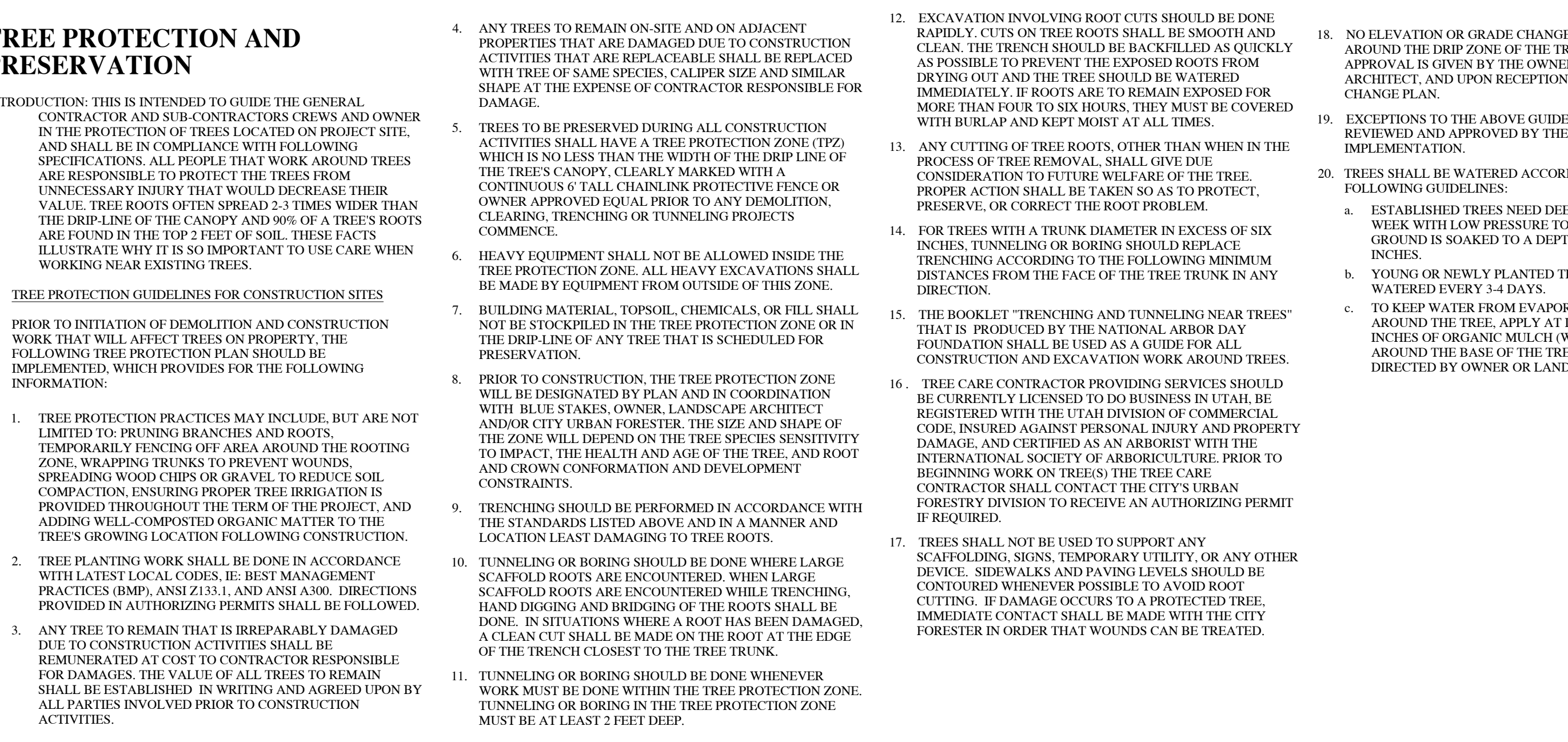
22 TREE WELL IN TURF AREA SCALE: NTS

W



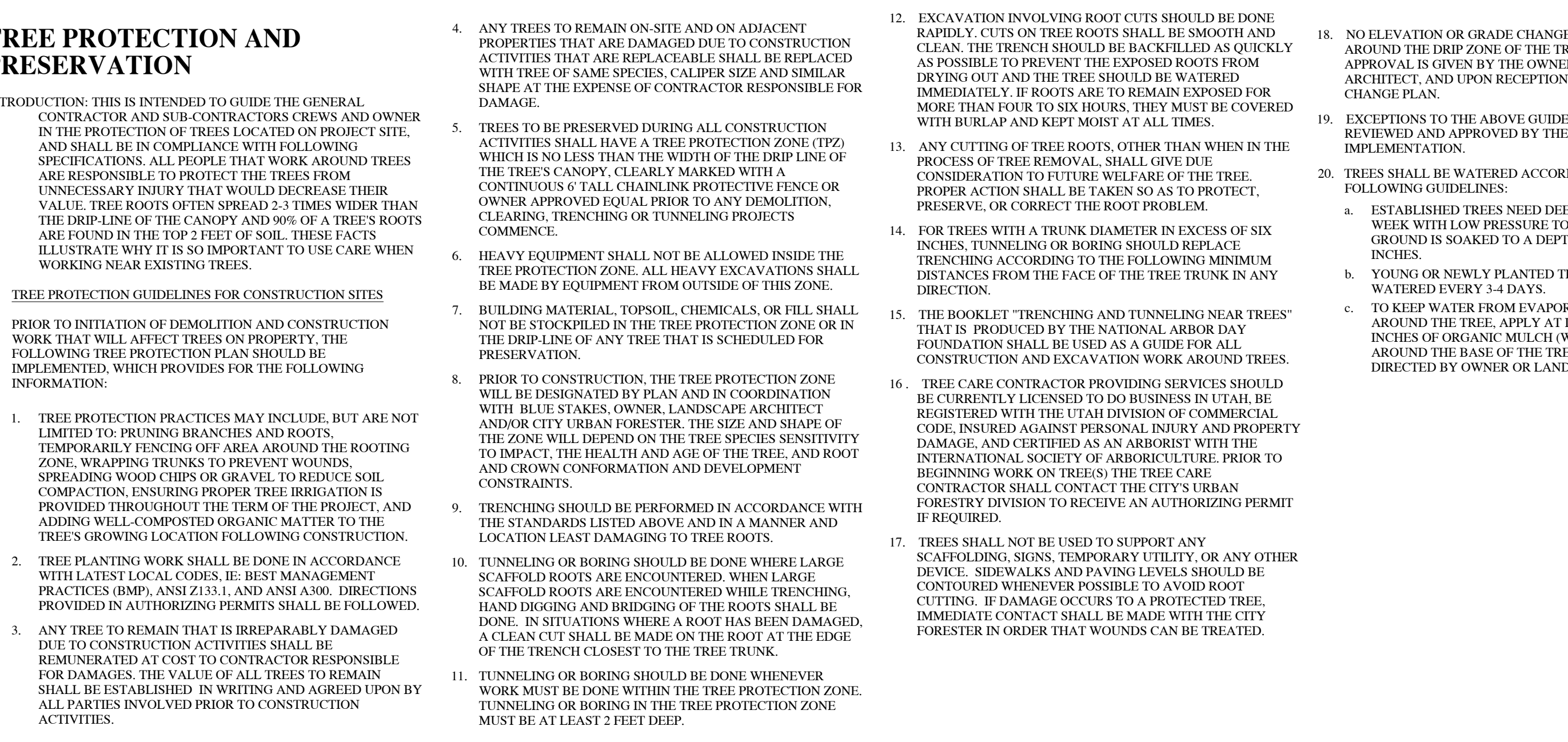
23 TREE WELL IN TURF AREA SCALE: NTS

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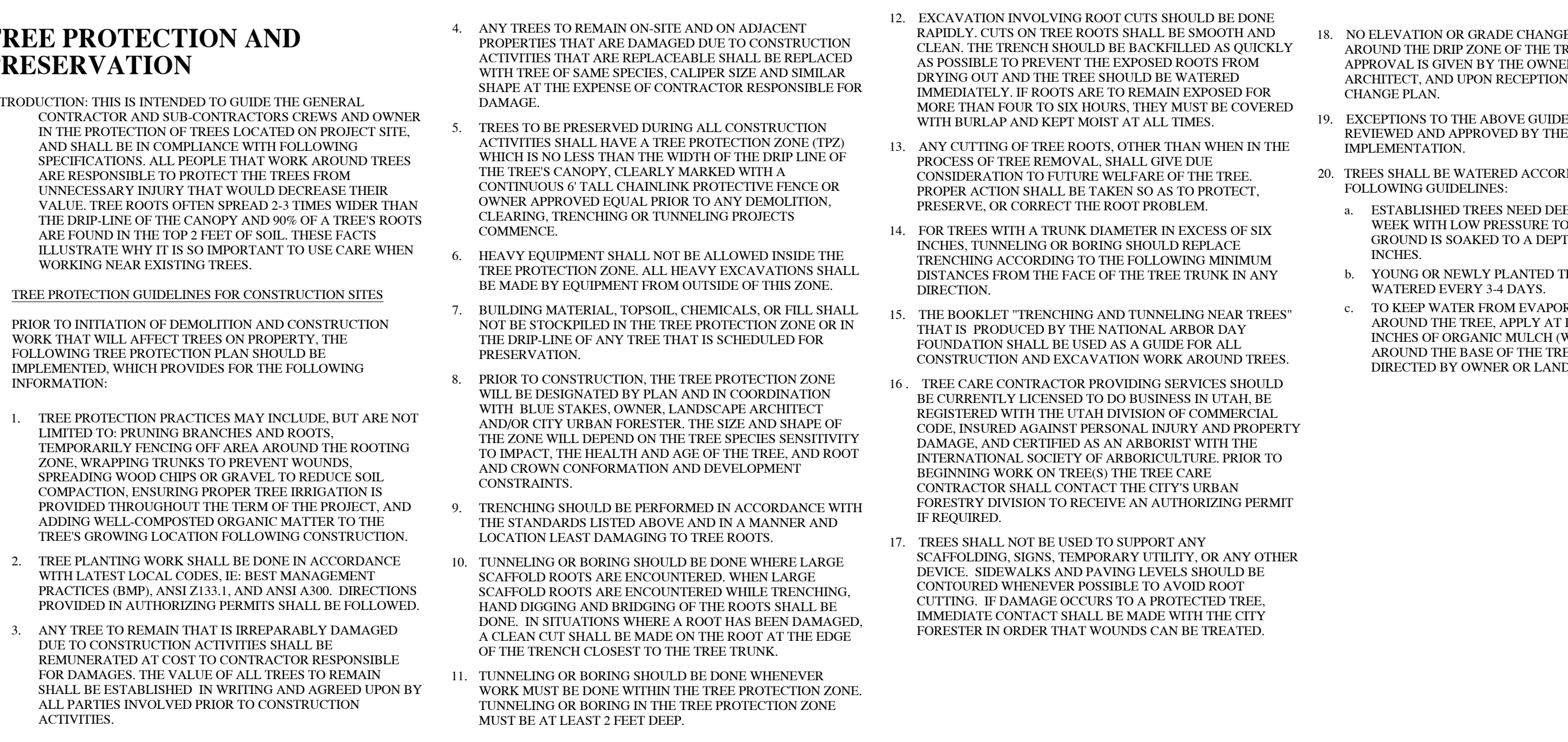
24 TREE WELL IN TURF AREA SCALE: NTS

Y



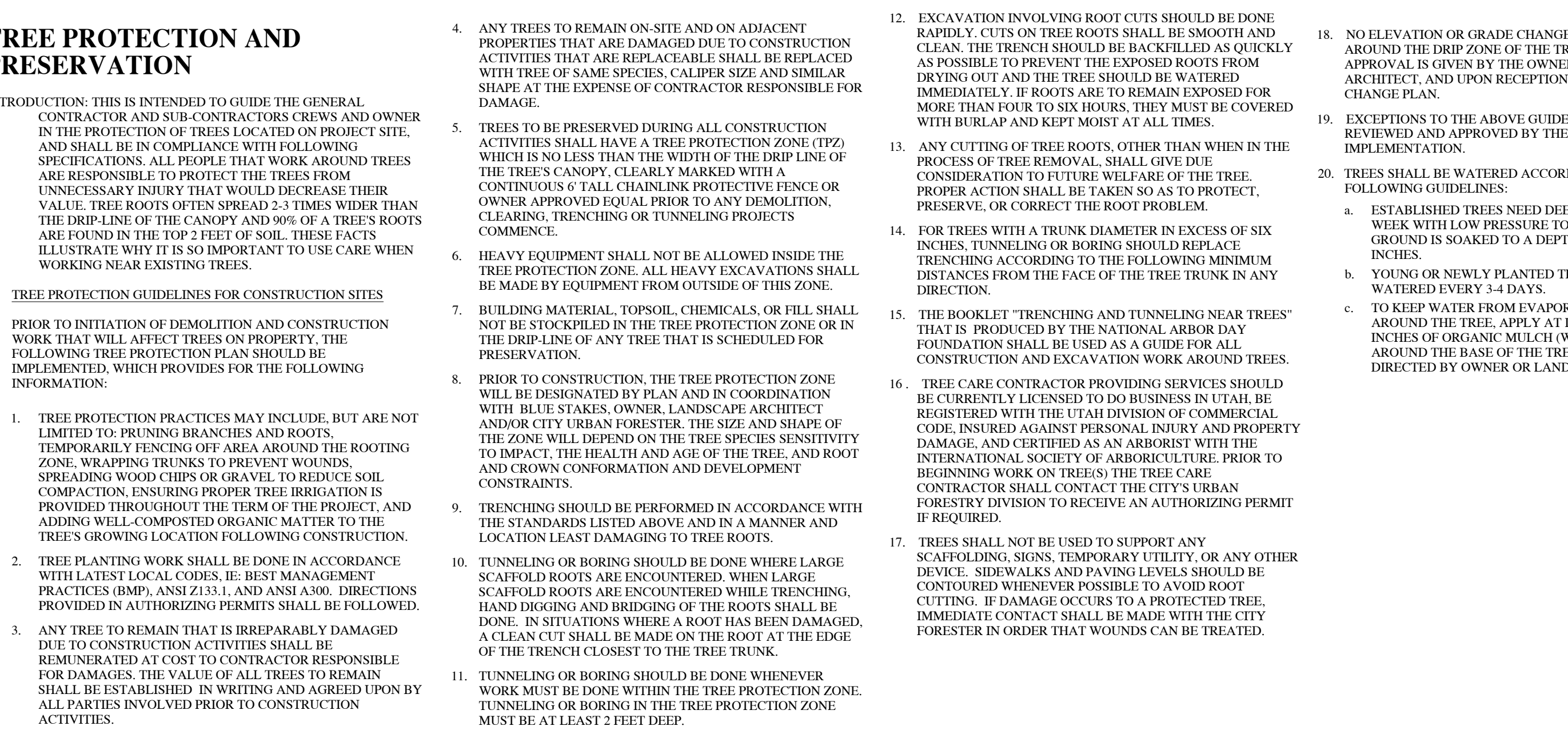
25 TREE WELL IN TURF AREA SCALE: NTS

Z



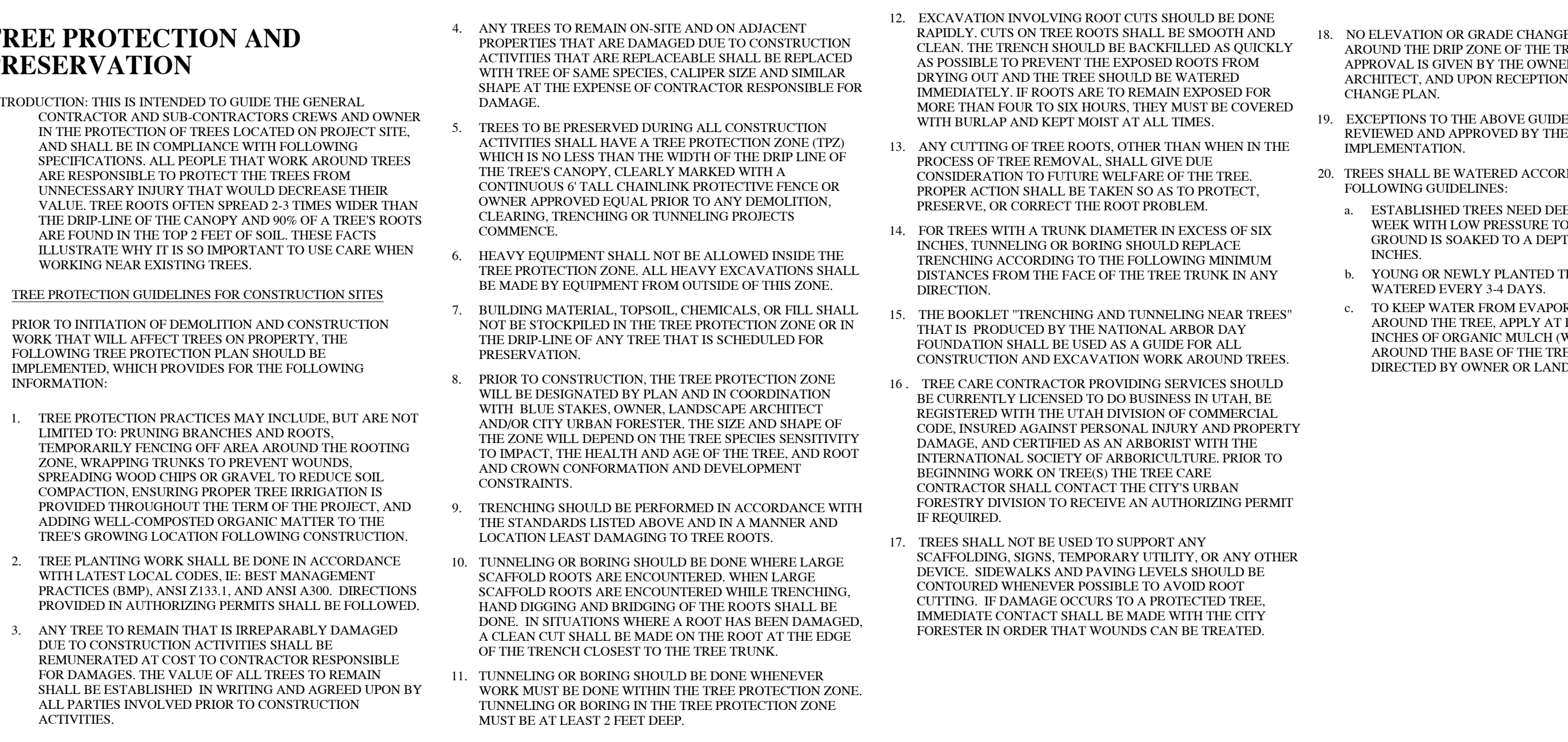
26 TREE WELL IN TURF AREA SCALE: NTS

AA



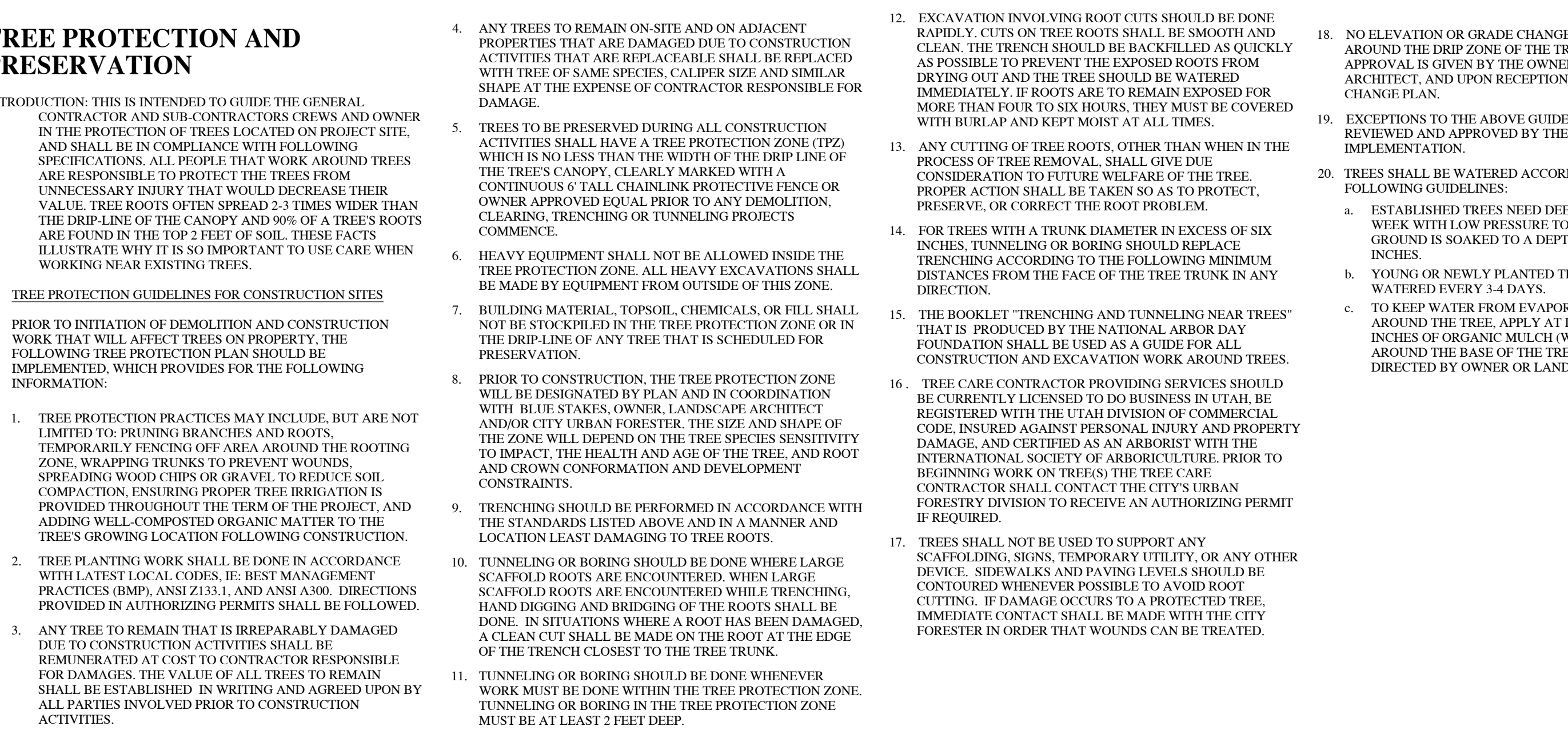
27 TREE WELL IN TURF AREA SCALE: NTS

AB



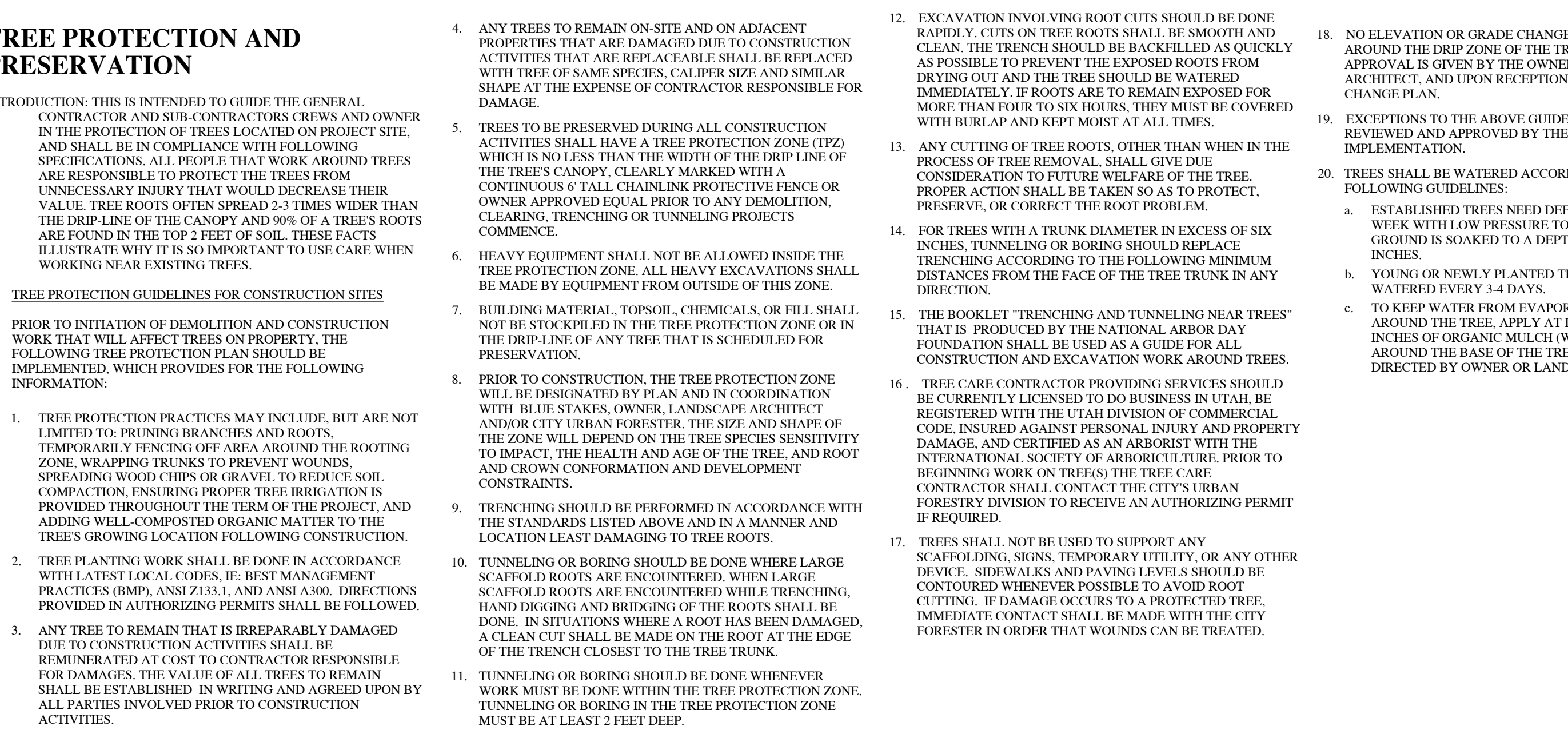
28 TREE WELL IN TURF AREA SCALE: NTS

AC



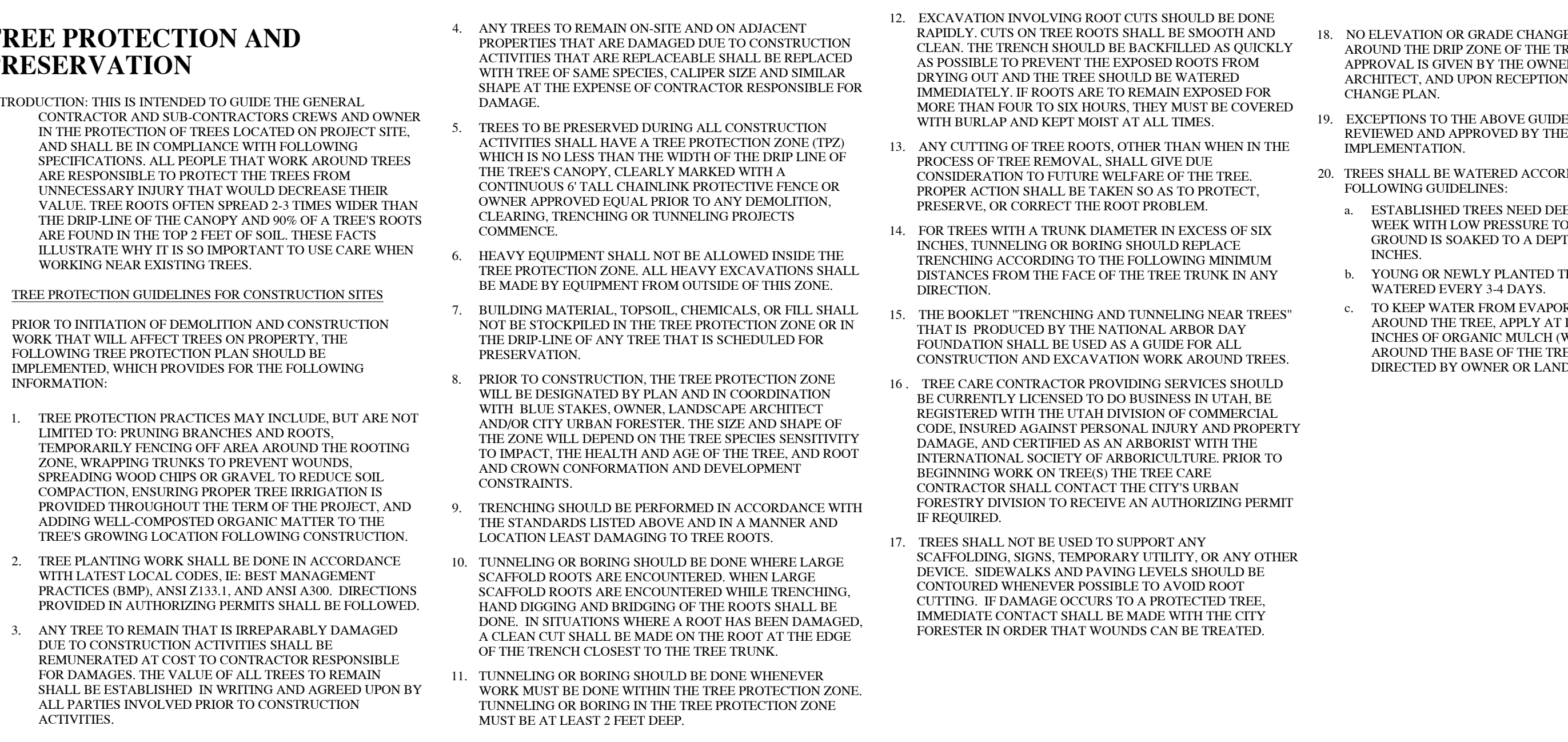
29 TREE WELL IN TURF AREA SCALE: NTS

AD



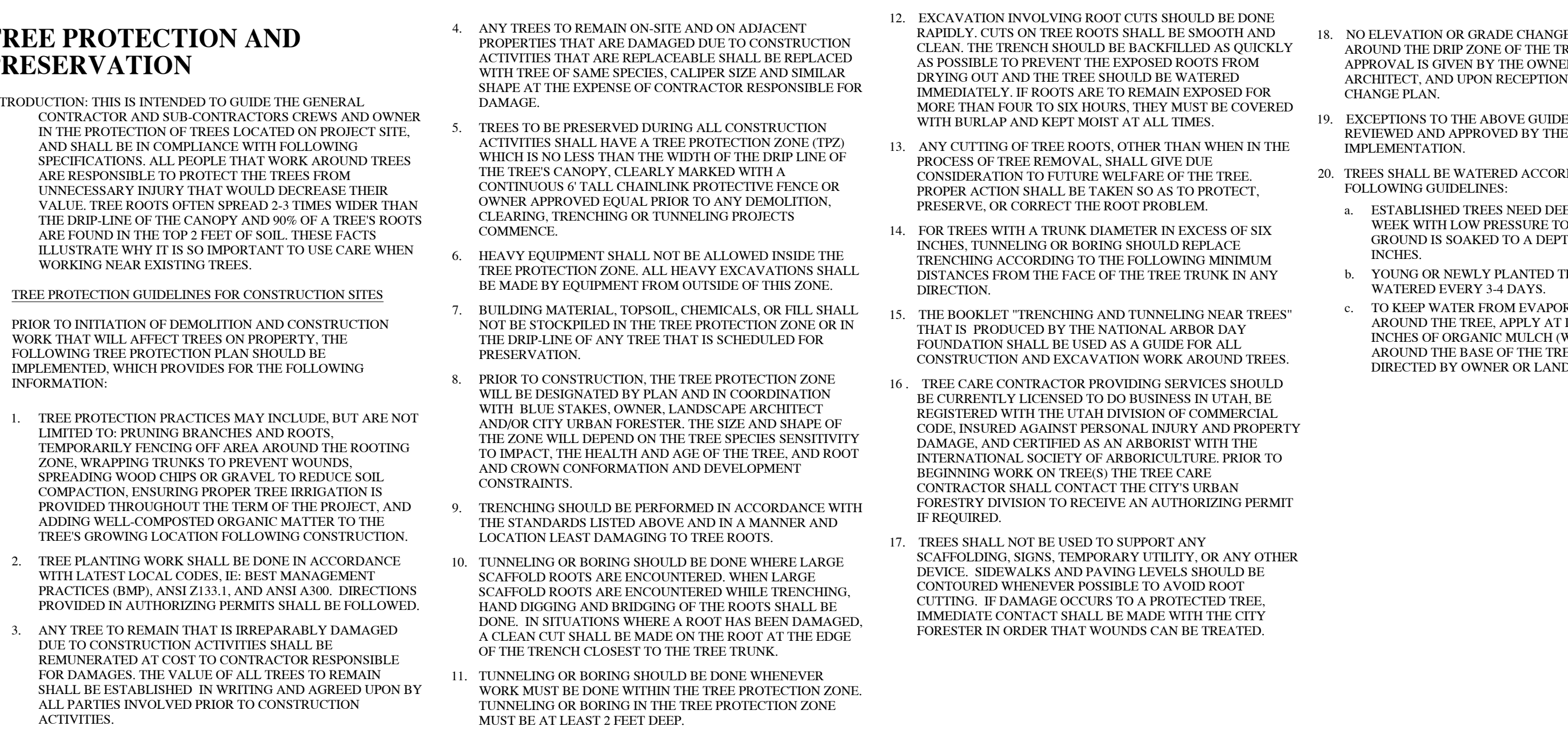
30 TREE WELL IN TURF AREA SCALE: NTS

AE



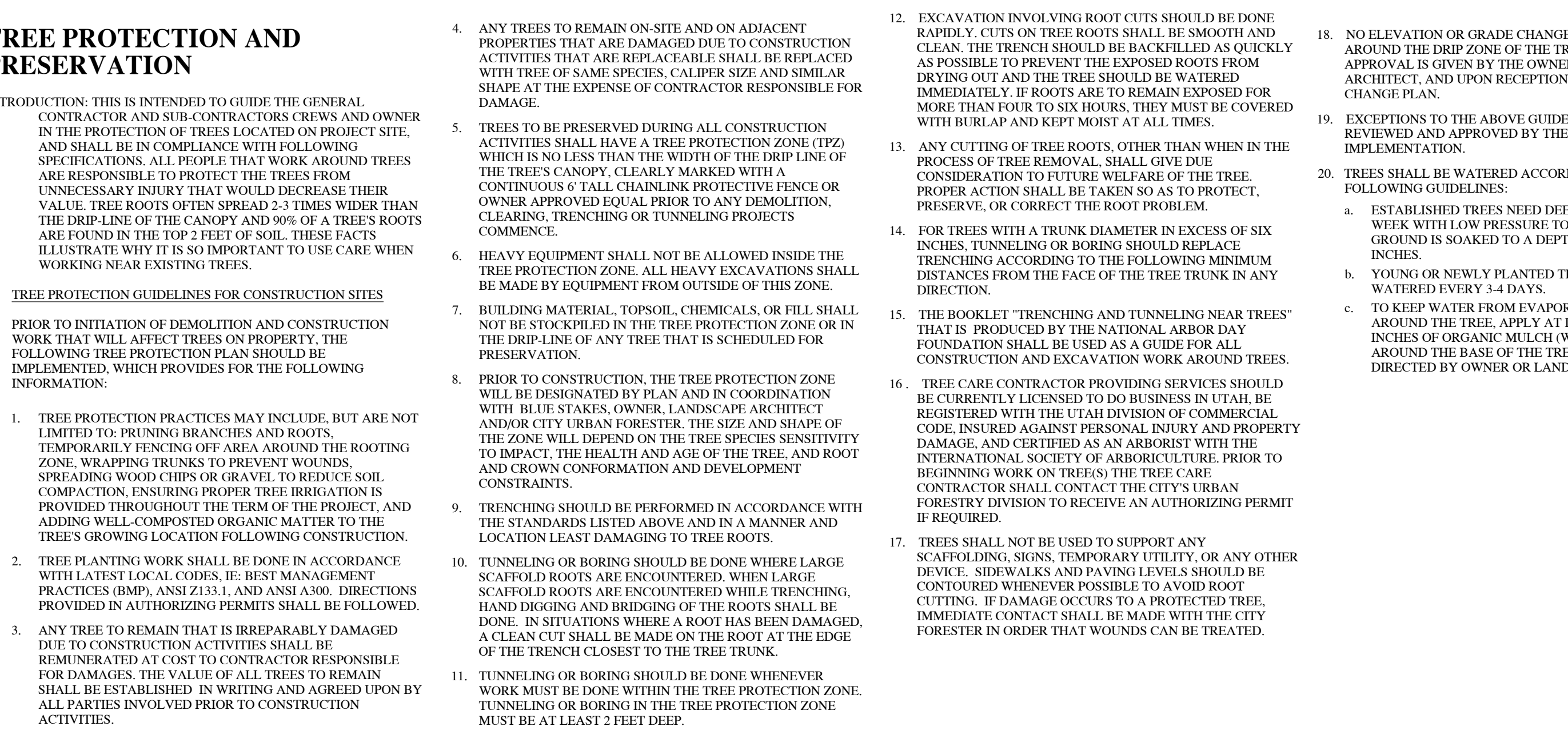
31 TREE WELL IN TURF AREA SCALE: NTS

AF



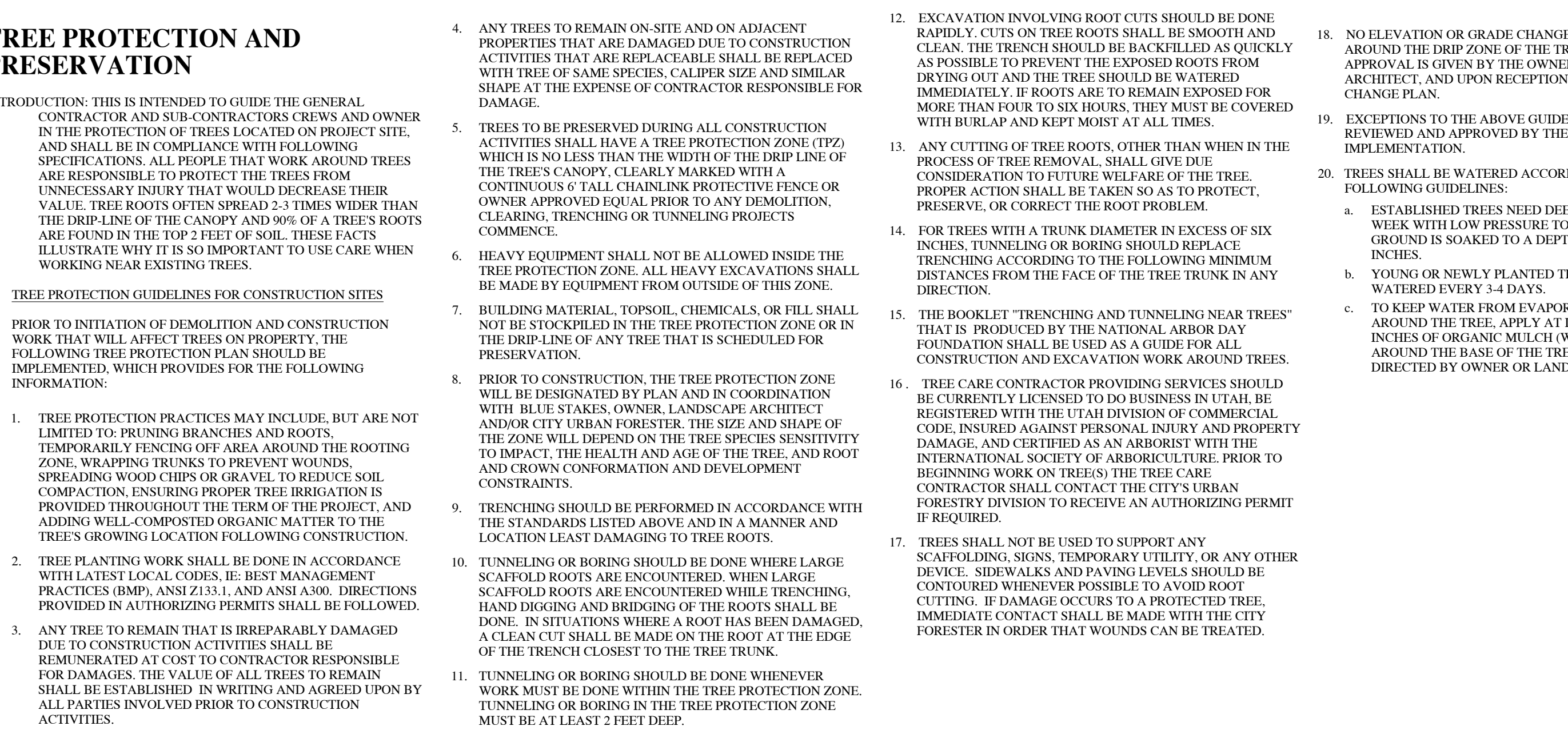
32 TREE WELL IN TURF AREA SCALE: NTS

AG



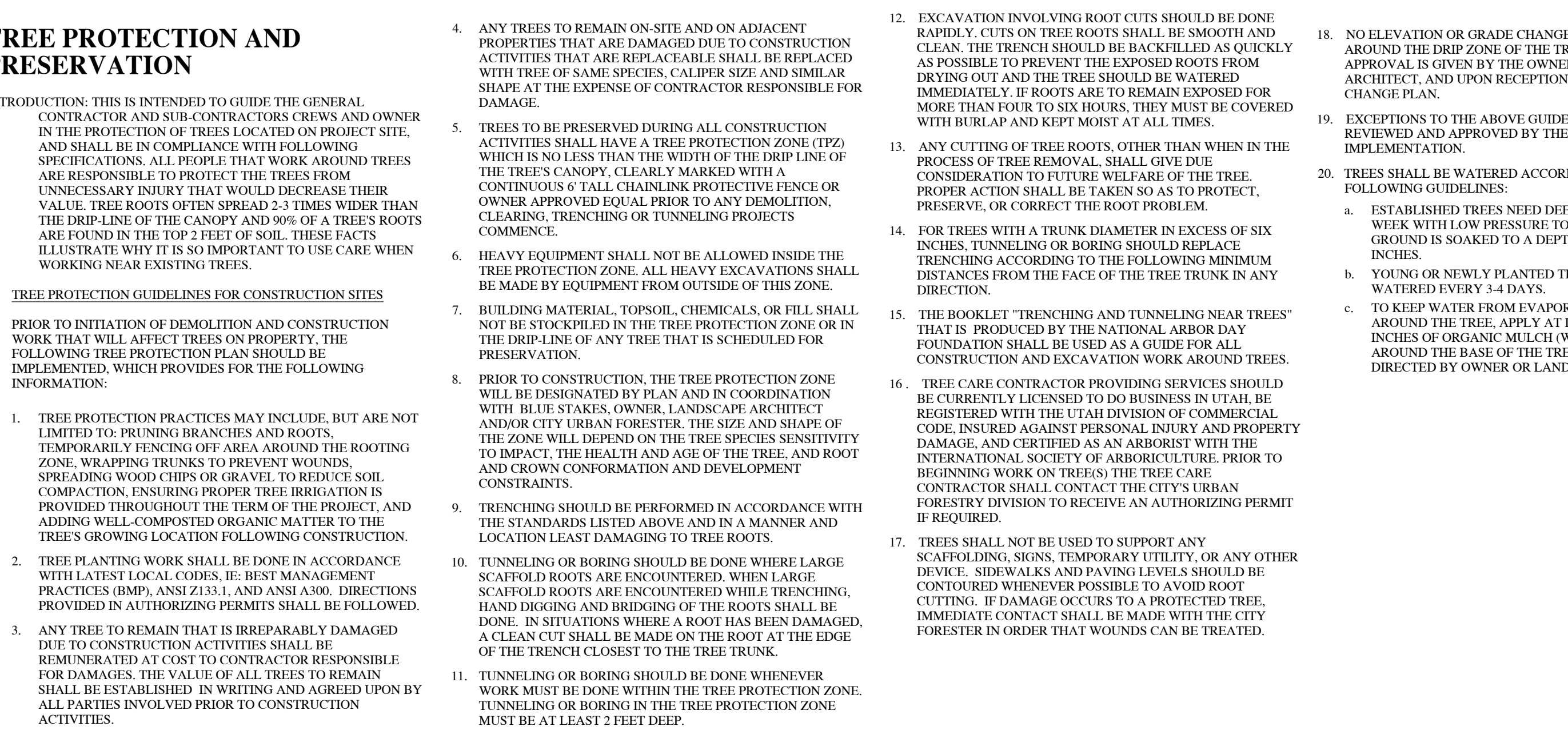
33 TREE WELL IN TURF AREA SCALE: NTS

AH



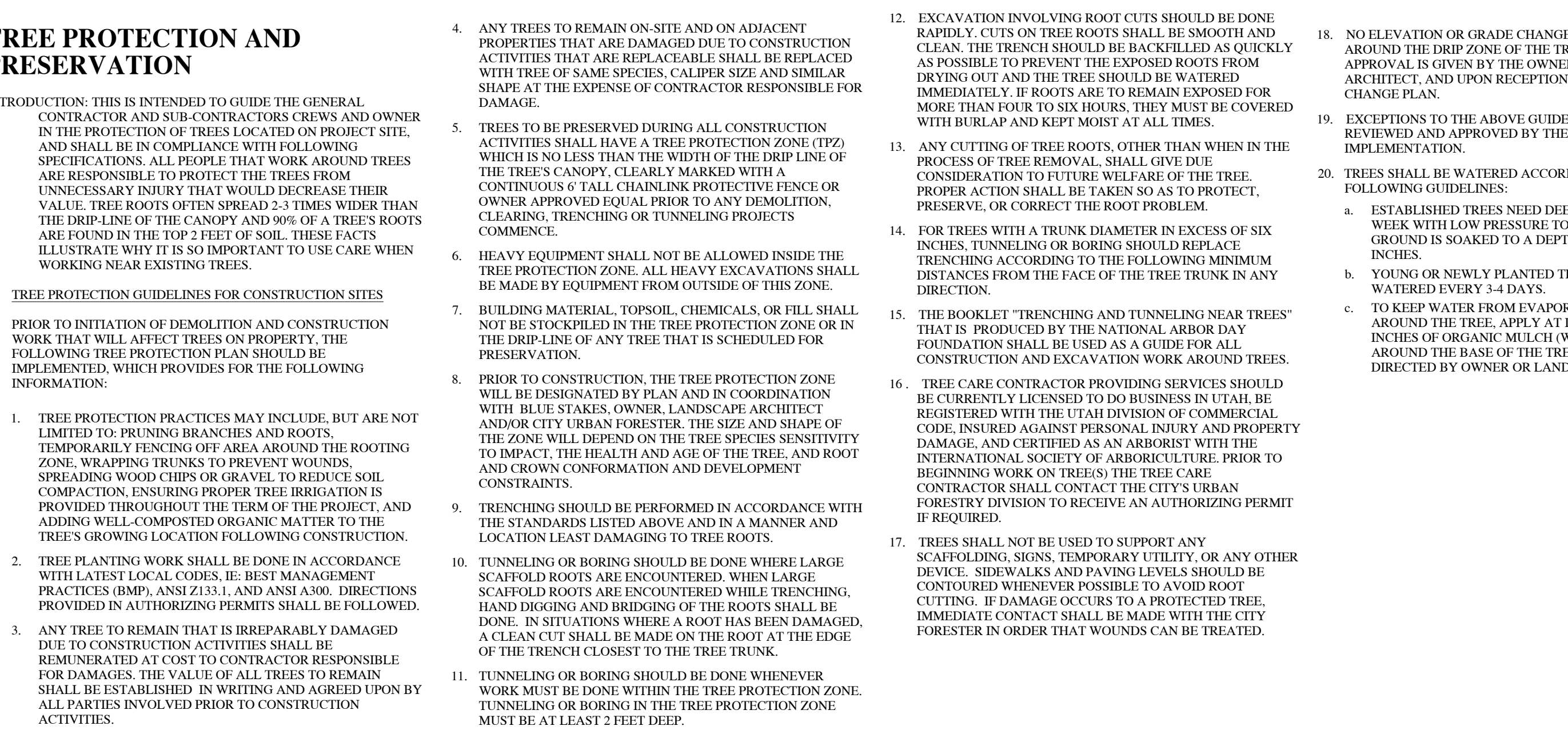
34 TREE WELL IN TURF AREA SCALE: NTS

AI



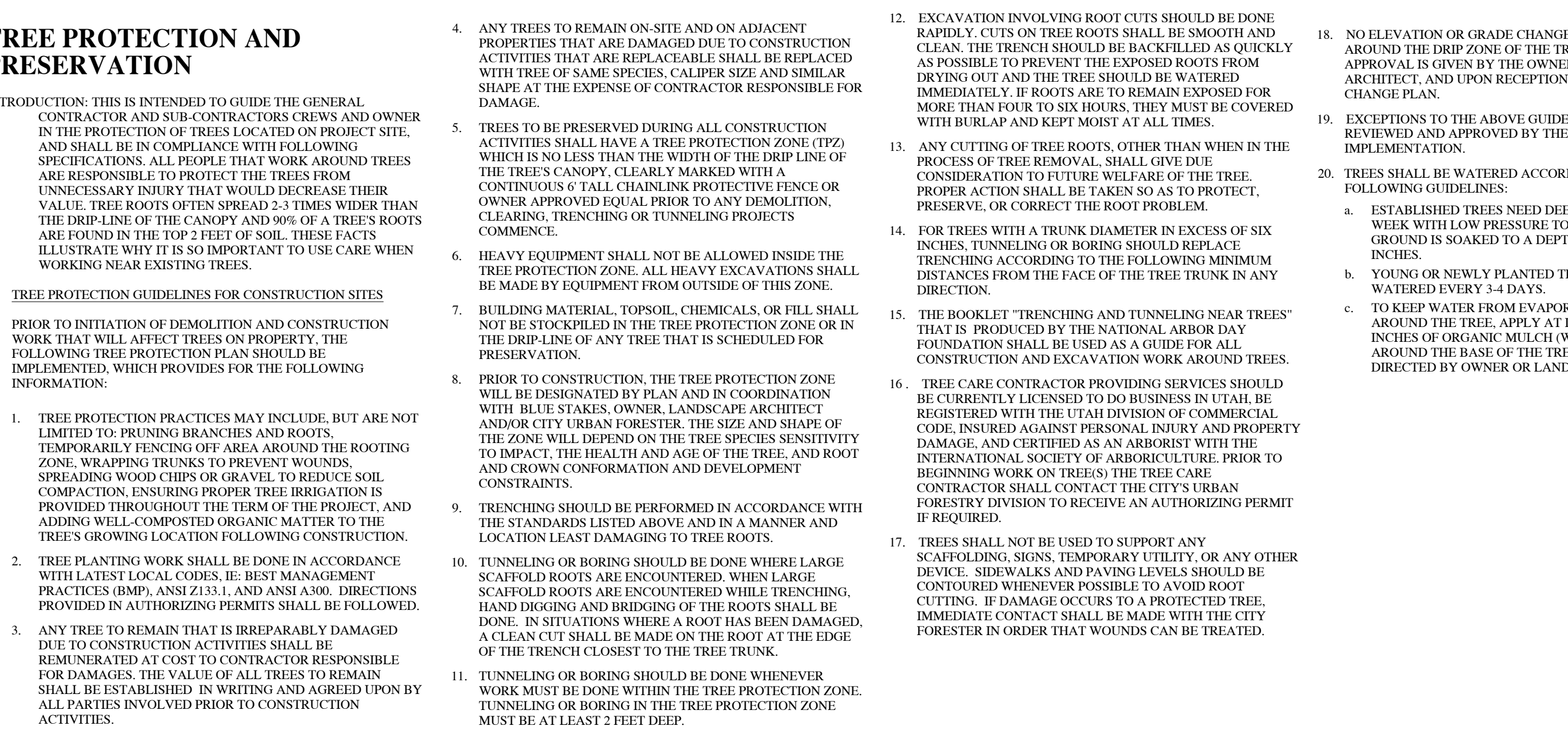
35 TREE WELL IN TURF AREA SCALE: NTS

AJ



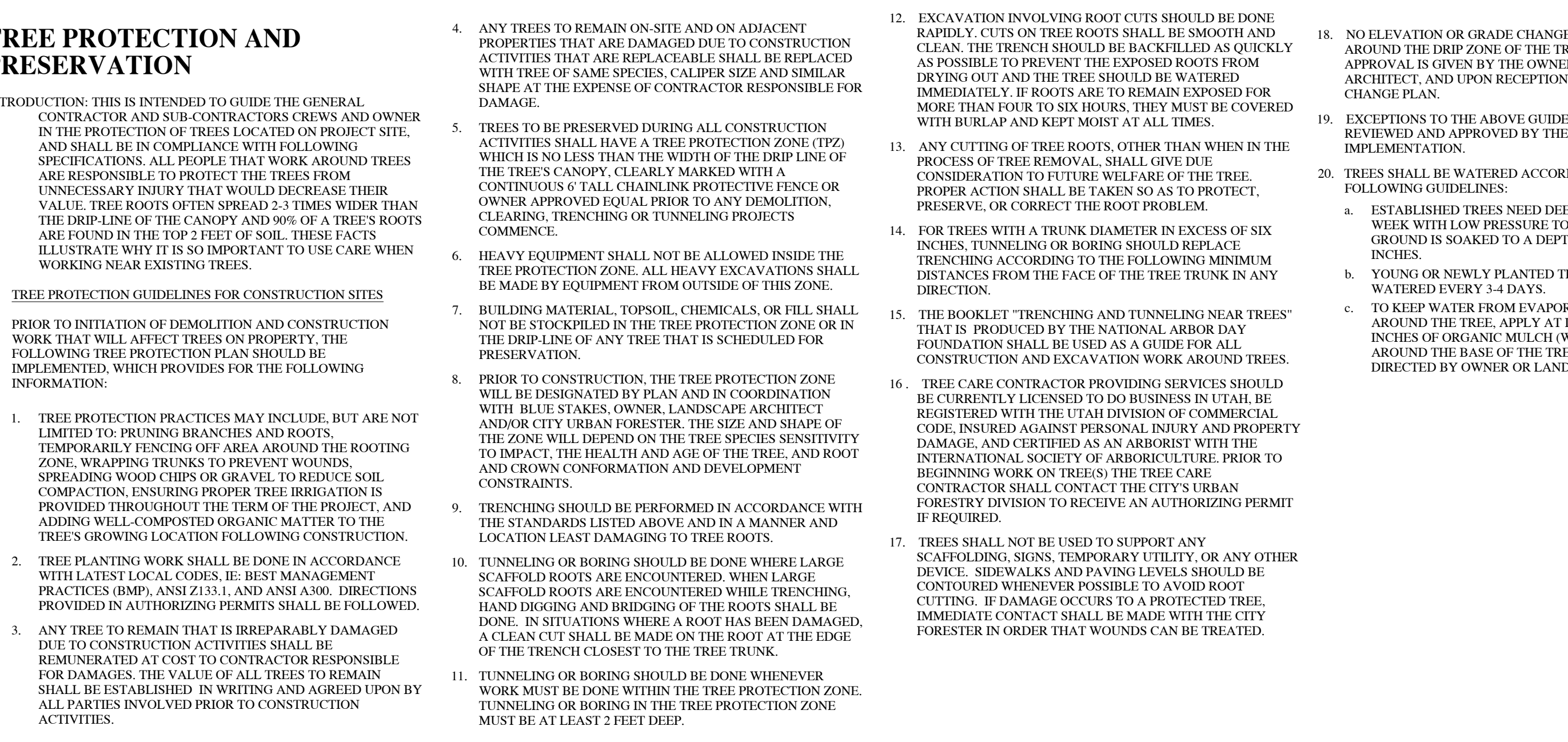
36 TREE WELL IN TURF AREA SCALE: NTS

AK



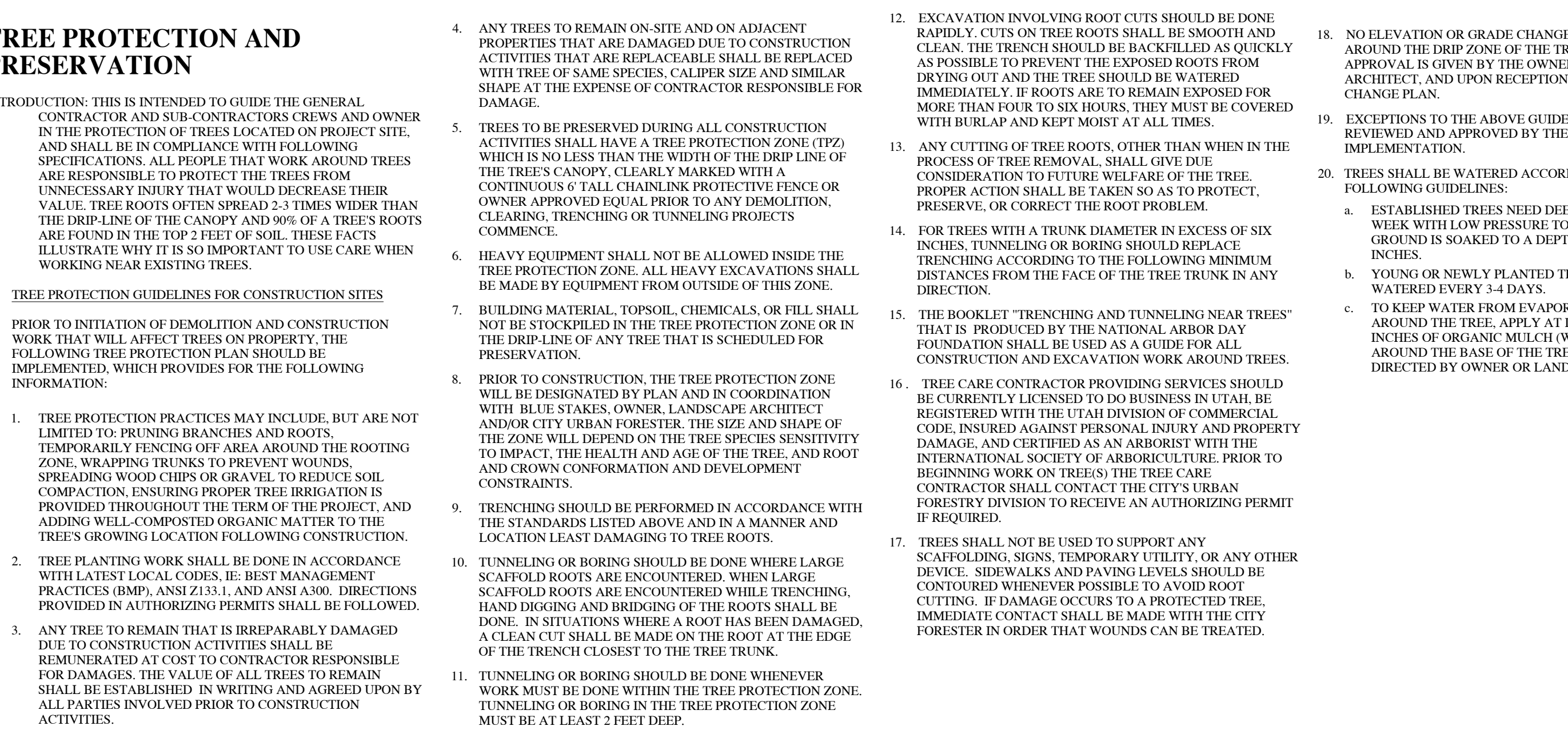
37 TREE WELL IN TURF AREA SCALE: NTS

AL



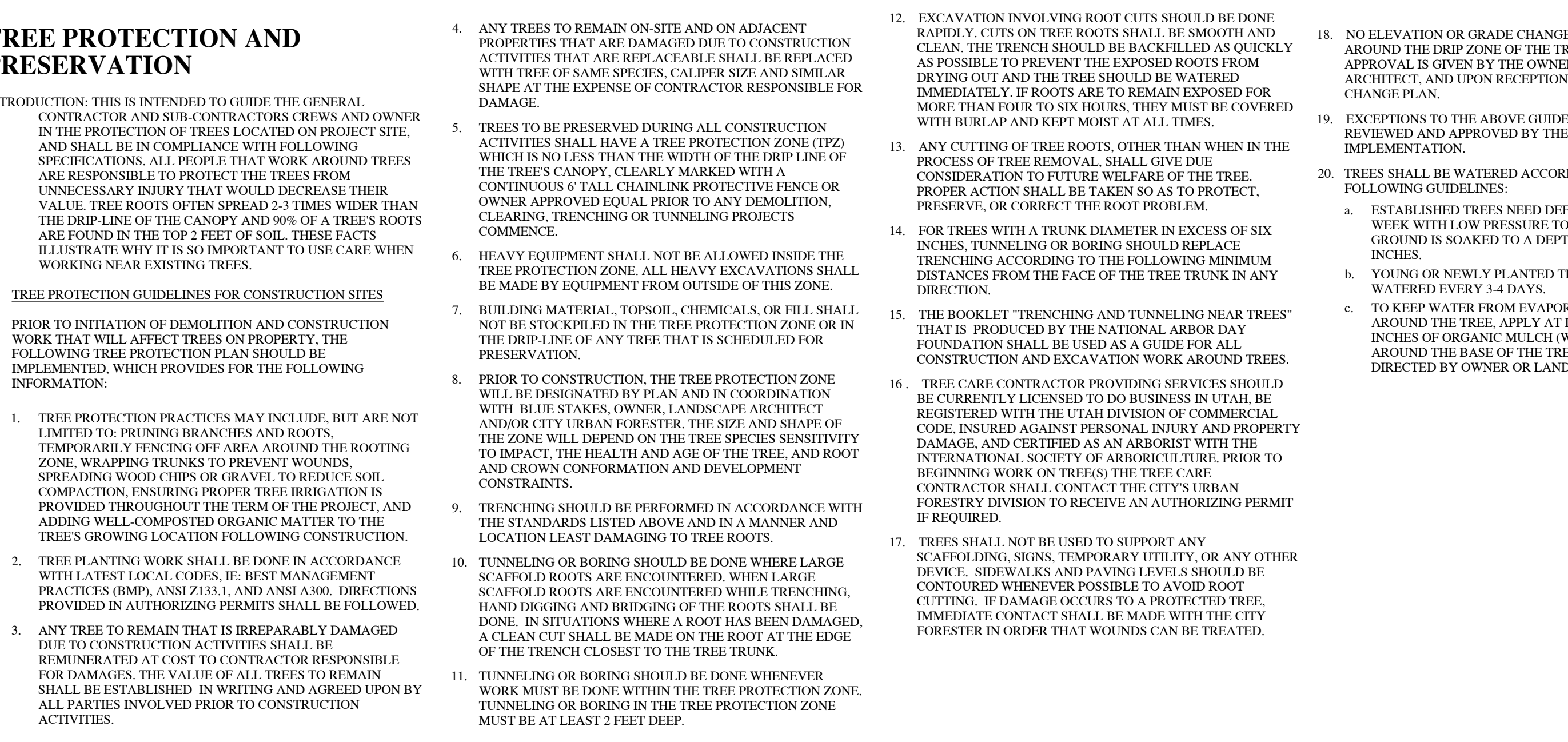
38 TREE WELL IN TURF AREA SCALE: NTS

AM



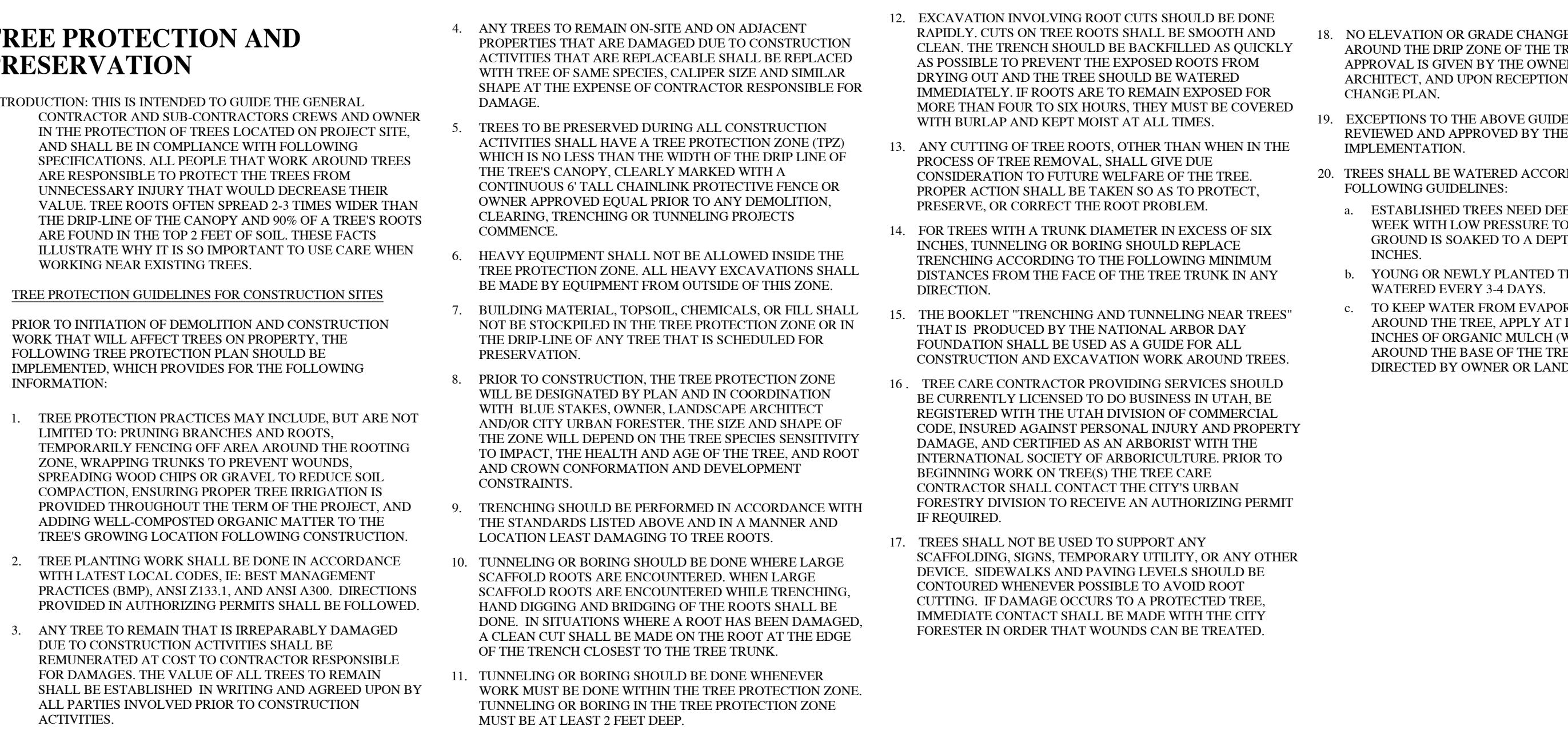
39 TREE WELL IN TURF AREA SCALE: NTS

AN



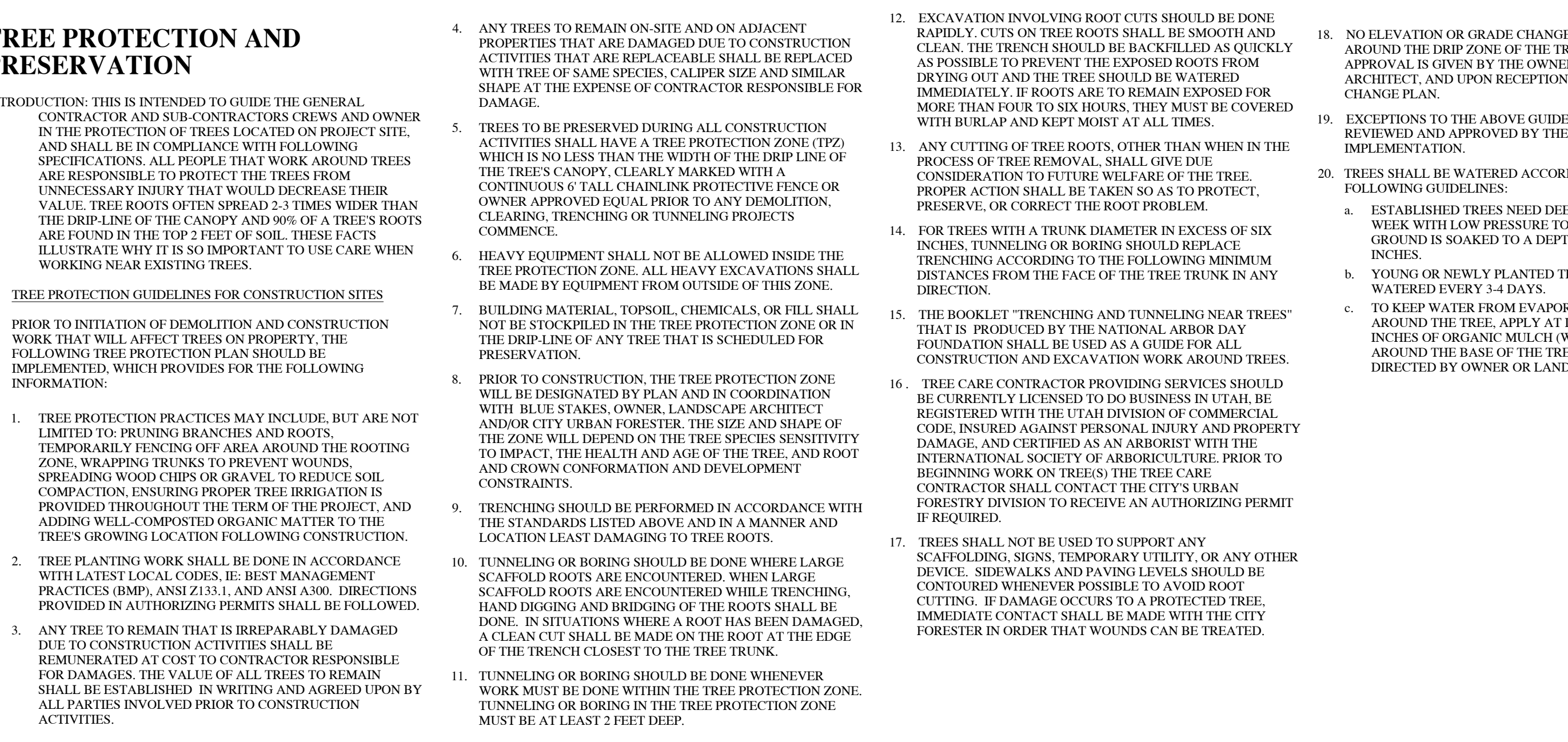
40 TREE WELL IN TURF AREA SCALE: NTS

AO



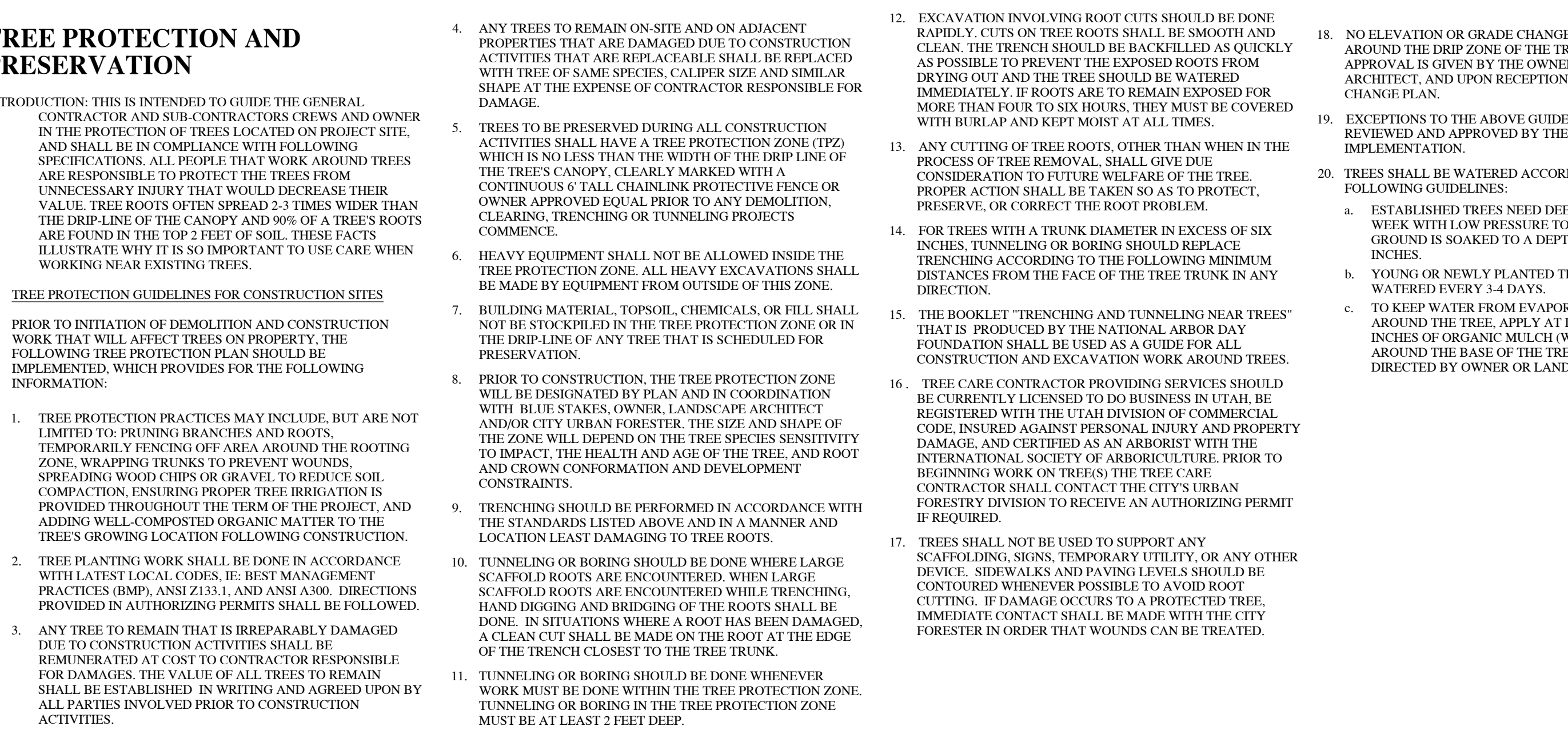
41 TREE WELL IN TURF AREA SCALE: NTS

AP



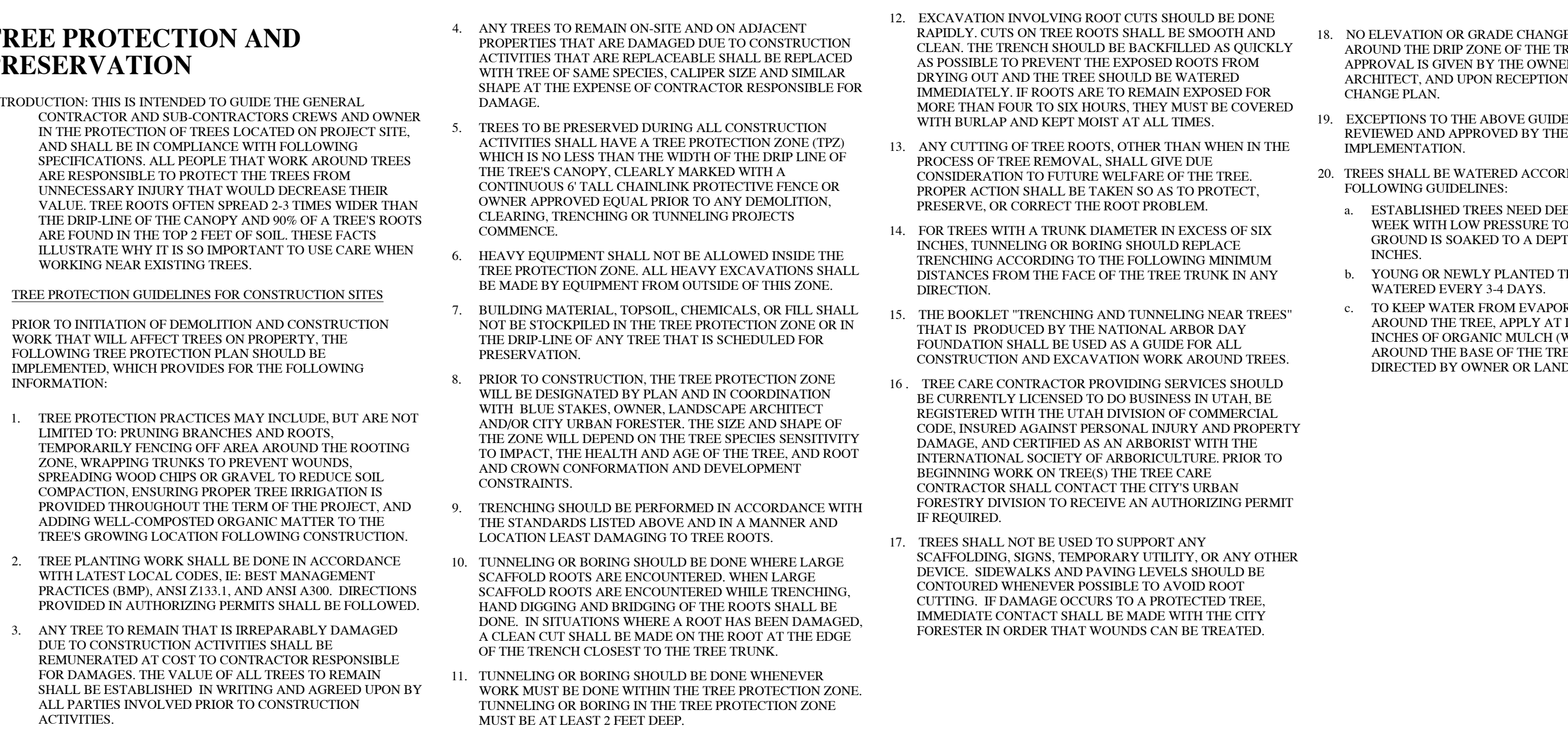
42 TREE WELL IN TURF AREA SCALE: NTS

AQ



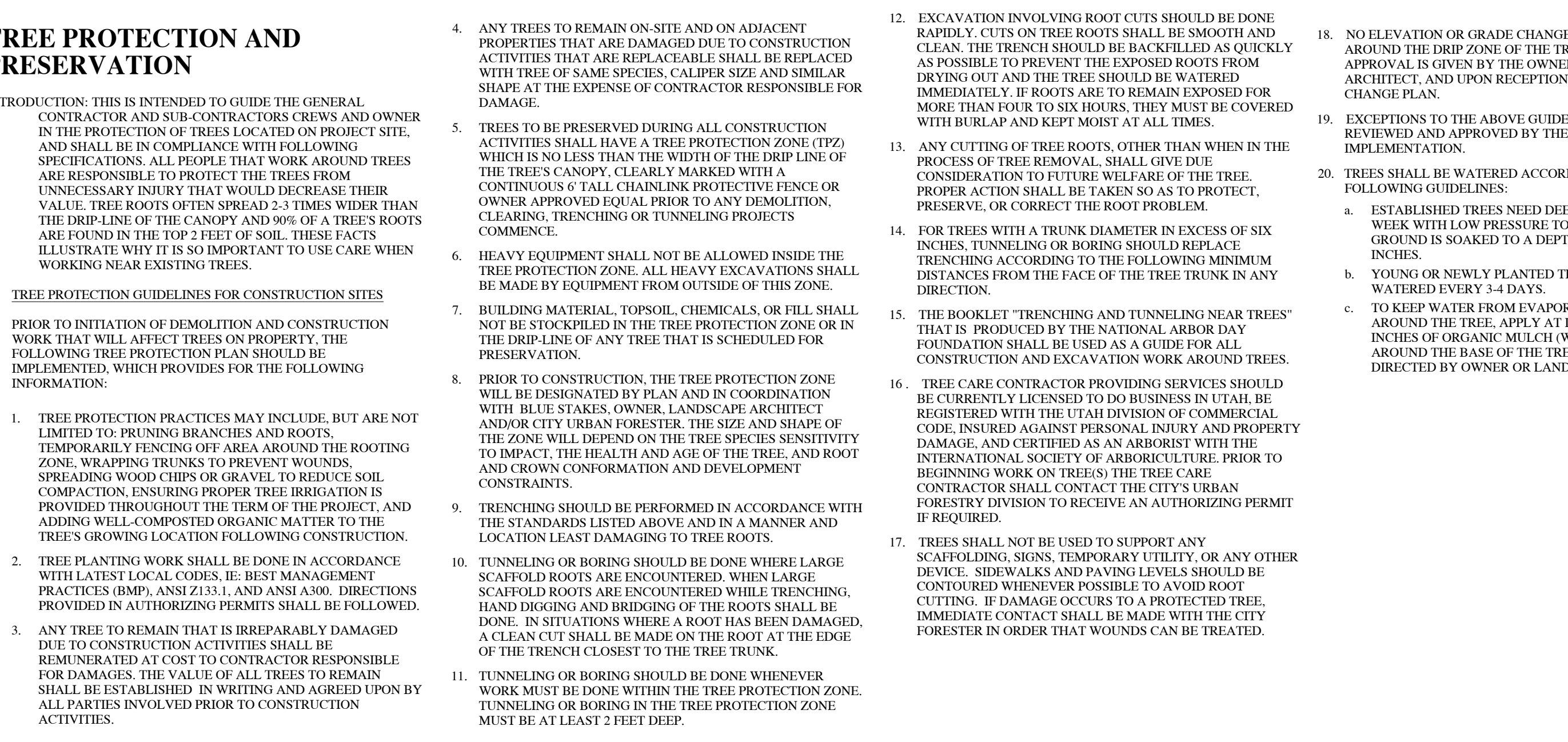
43 TREE WELL IN TURF AREA SCALE: NTS

AR



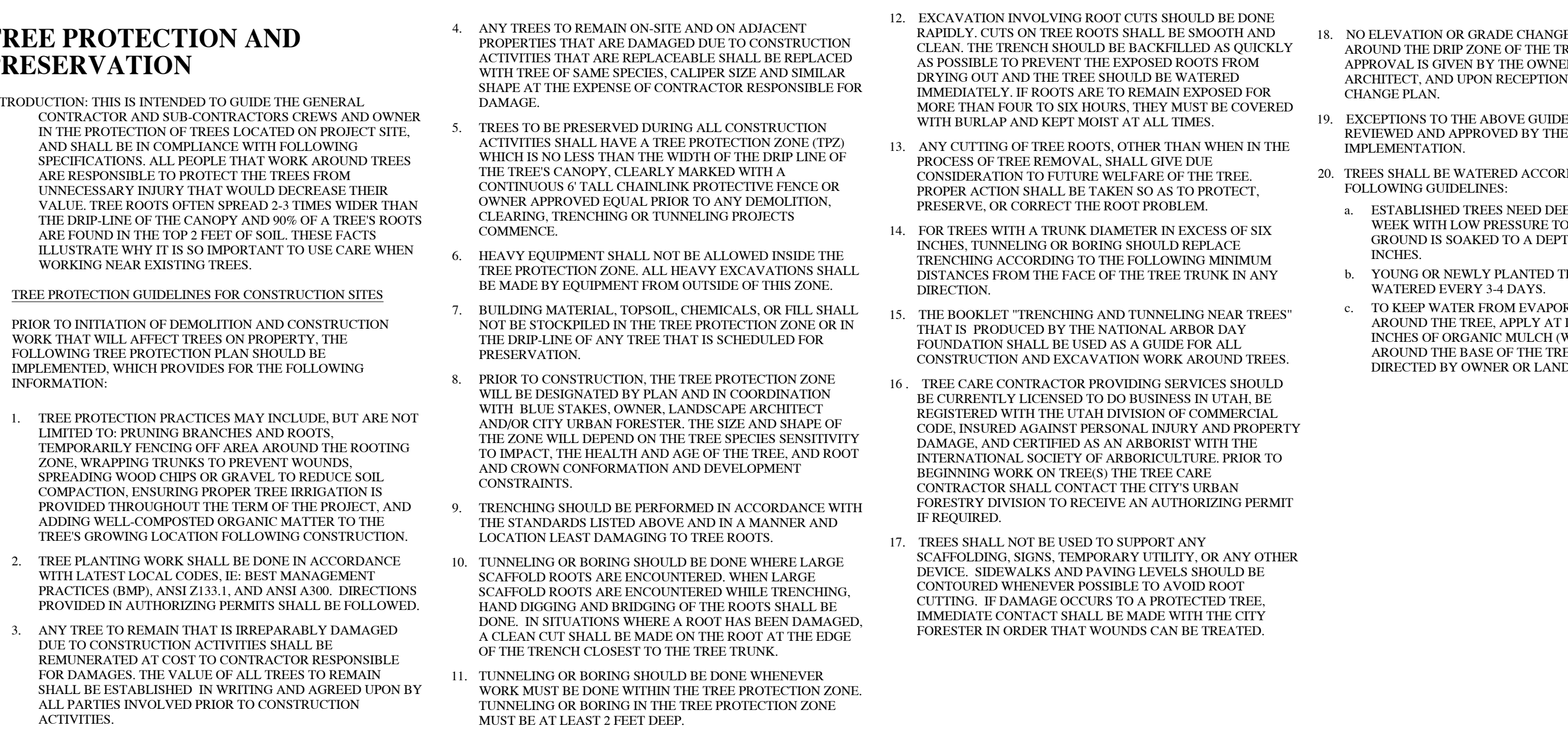
44 TREE WELL IN TURF AREA SCALE: NTS

AS



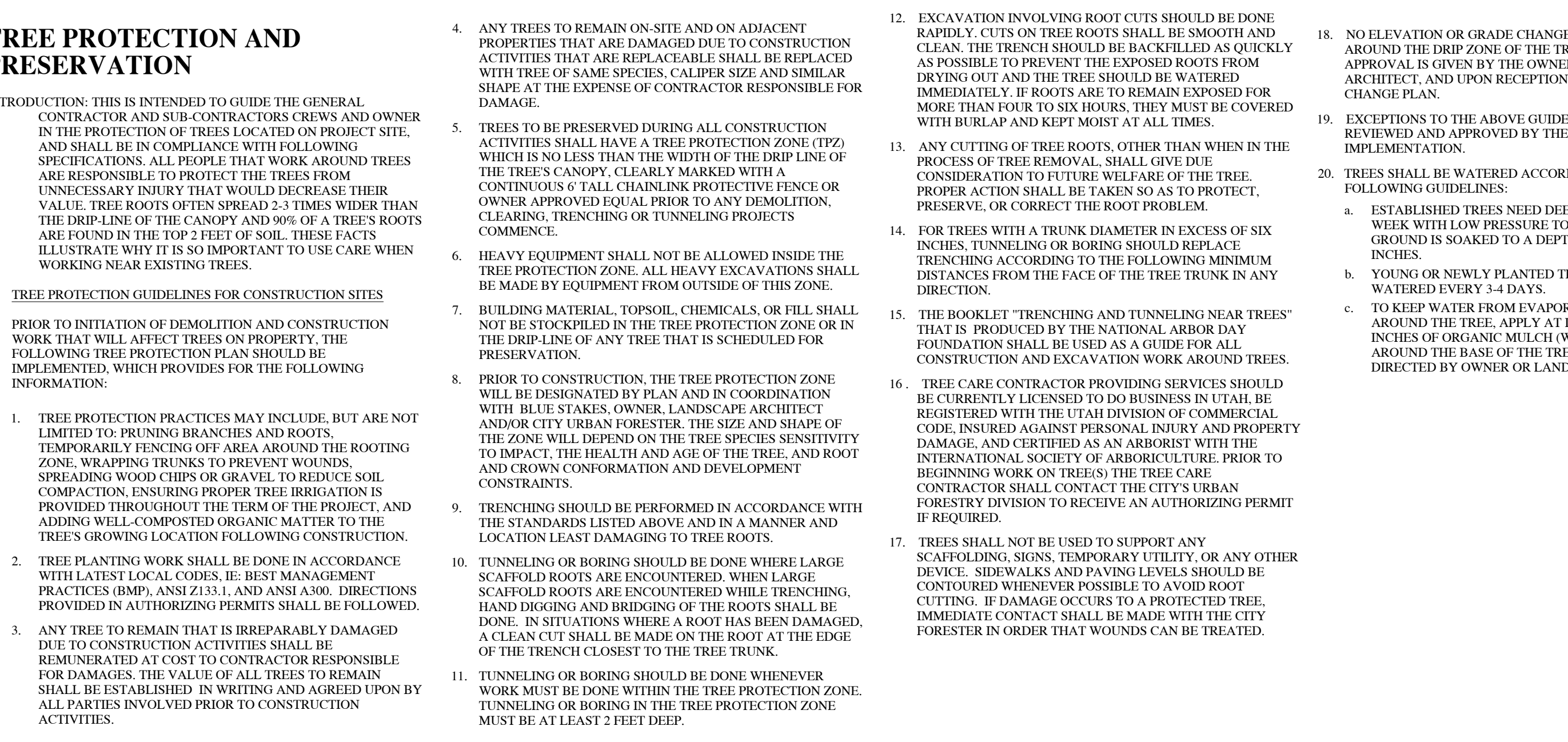
45 TREE WELL IN TURF AREA SCALE: NTS

AT



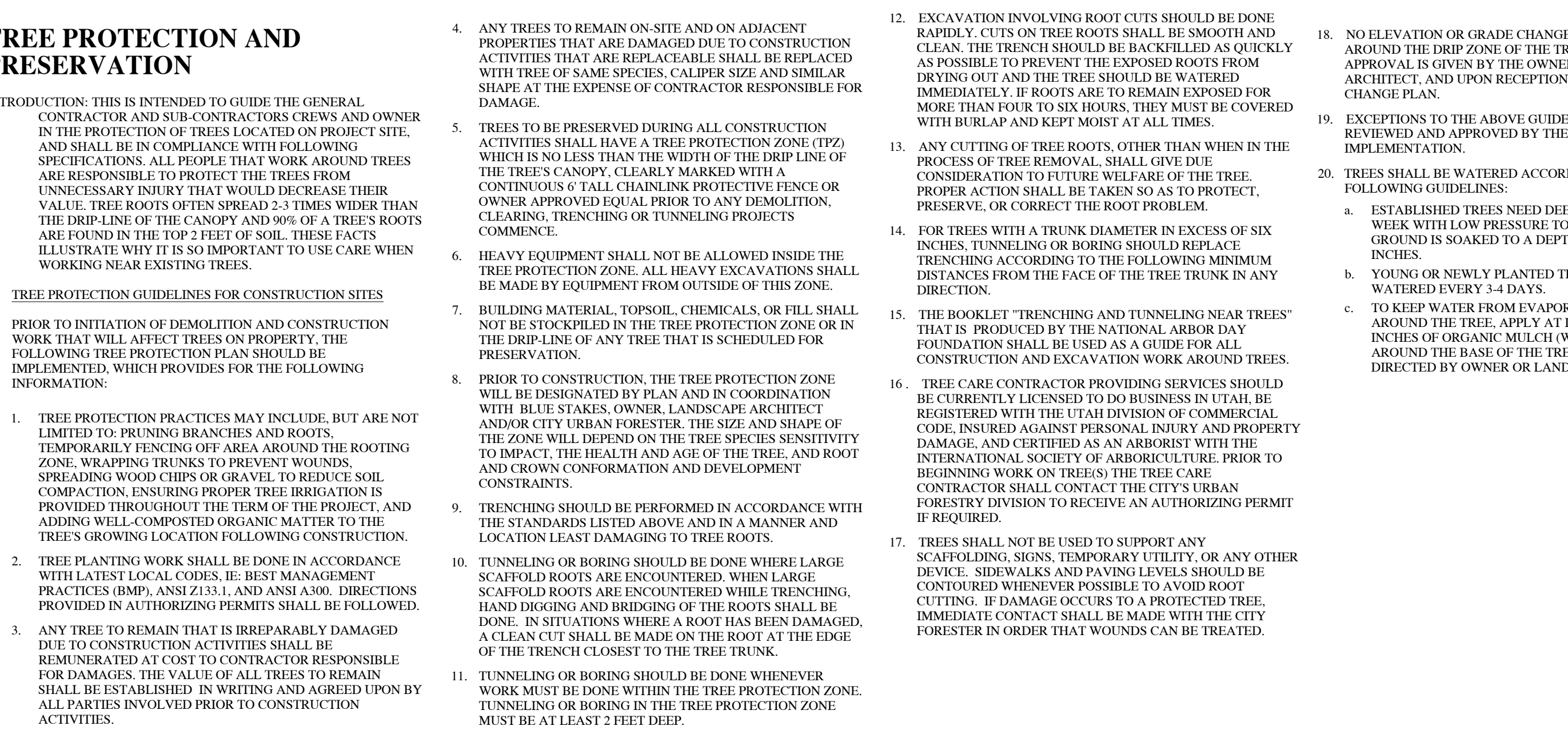
46 TREE WELL IN TURF AREA SCALE: NTS

AU



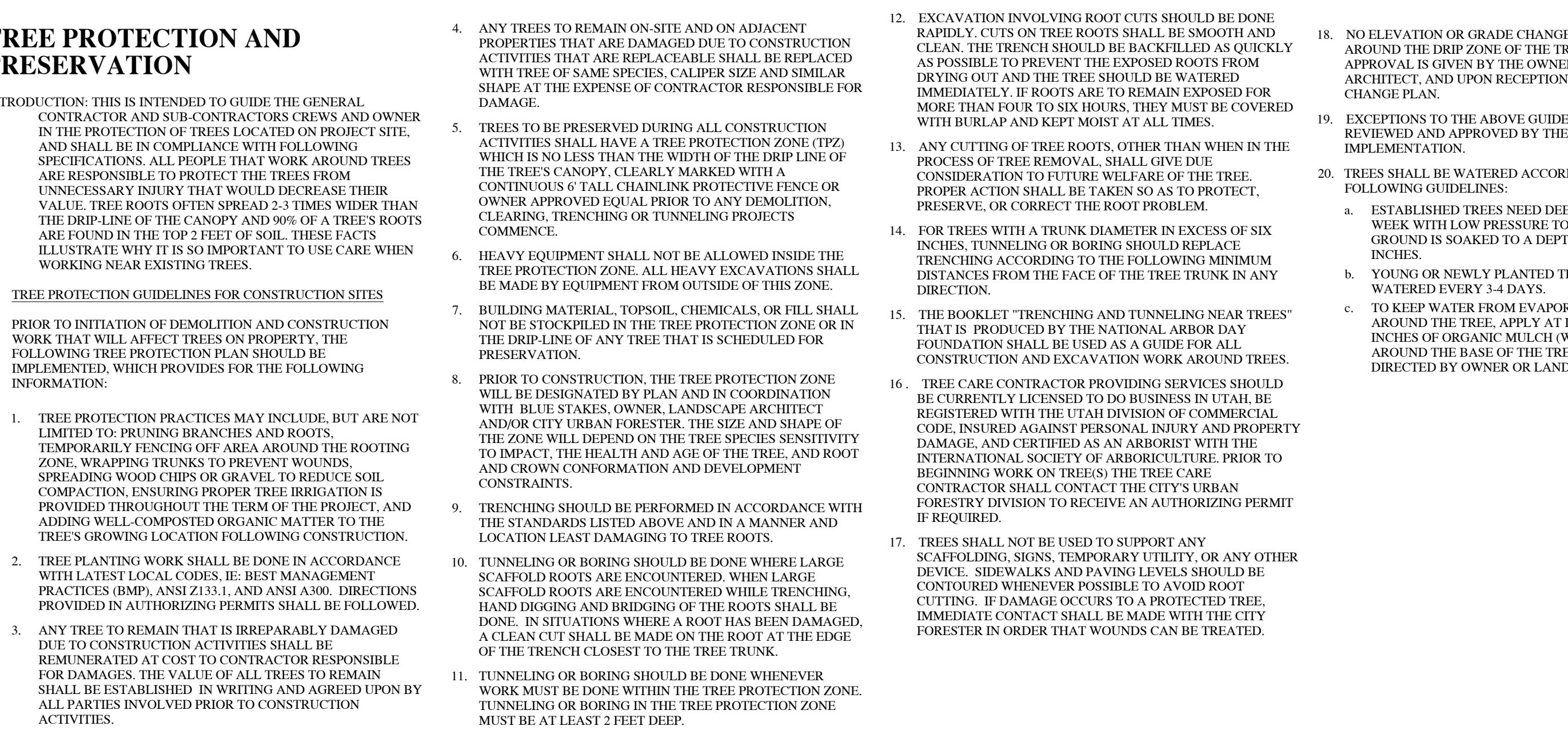
47 TREE WELL IN TURF AREA SCALE: NTS

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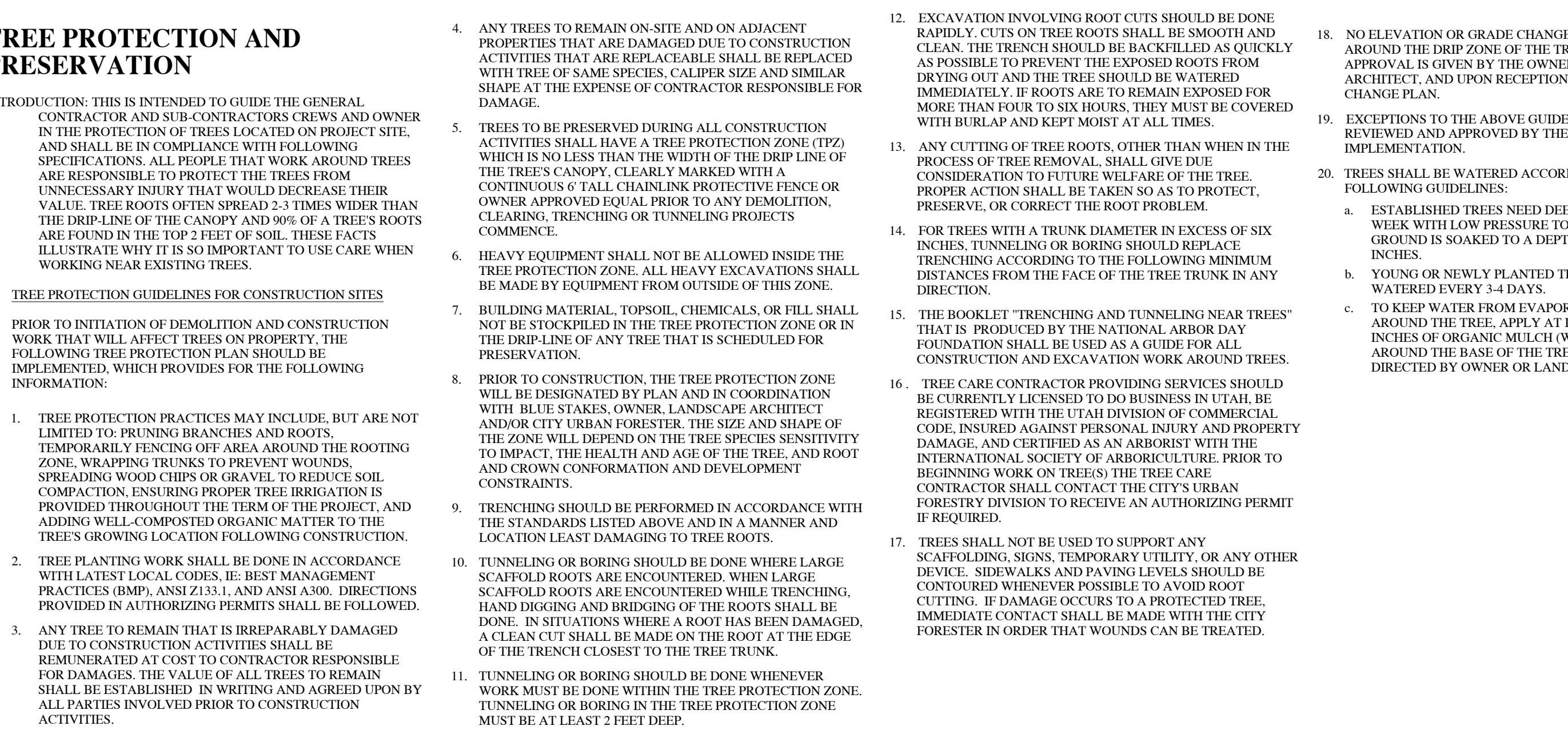
48 TREE WELL IN TURF AREA SCALE: NTS

AW



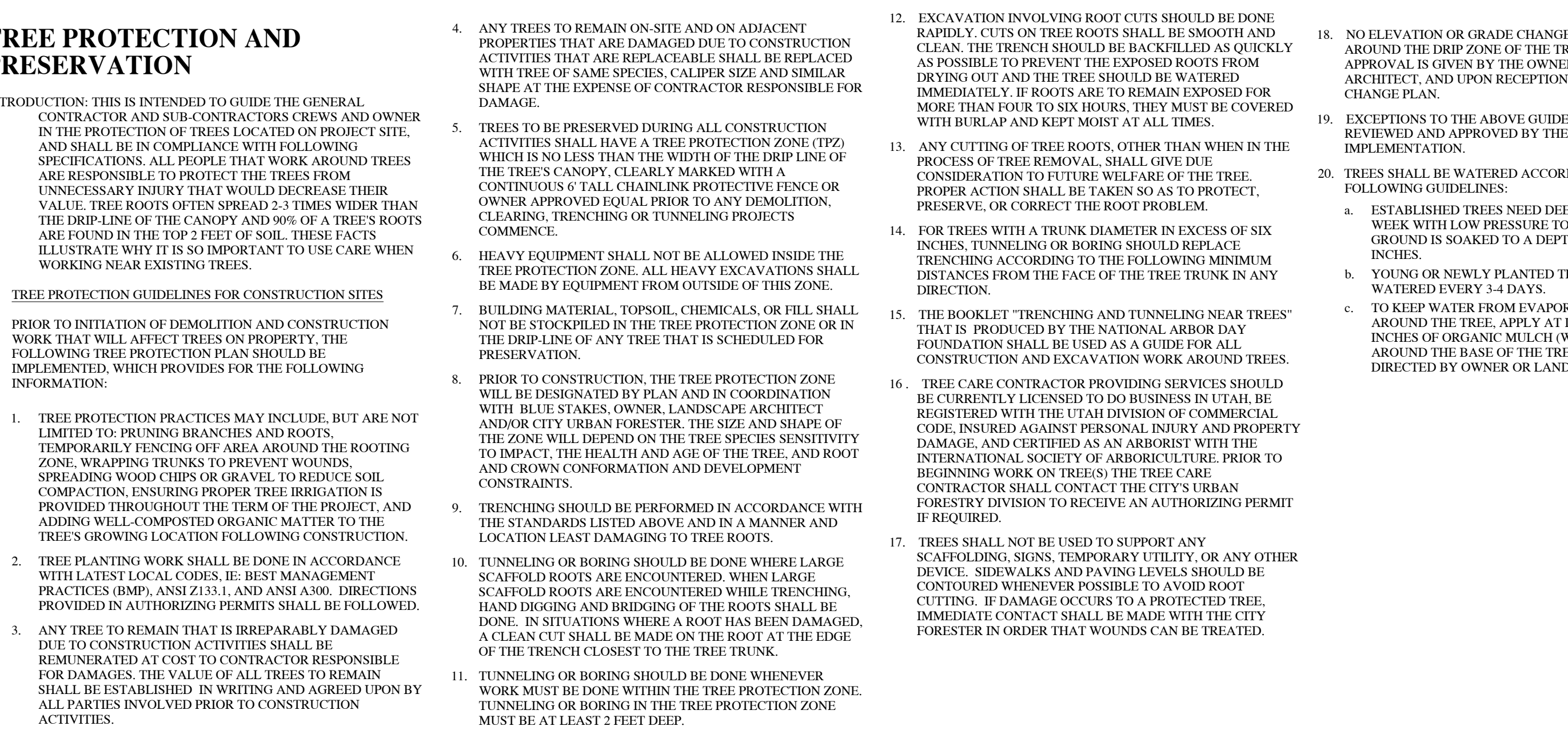
49 TREE WELL IN TURF AREA SCALE: NTS

AX



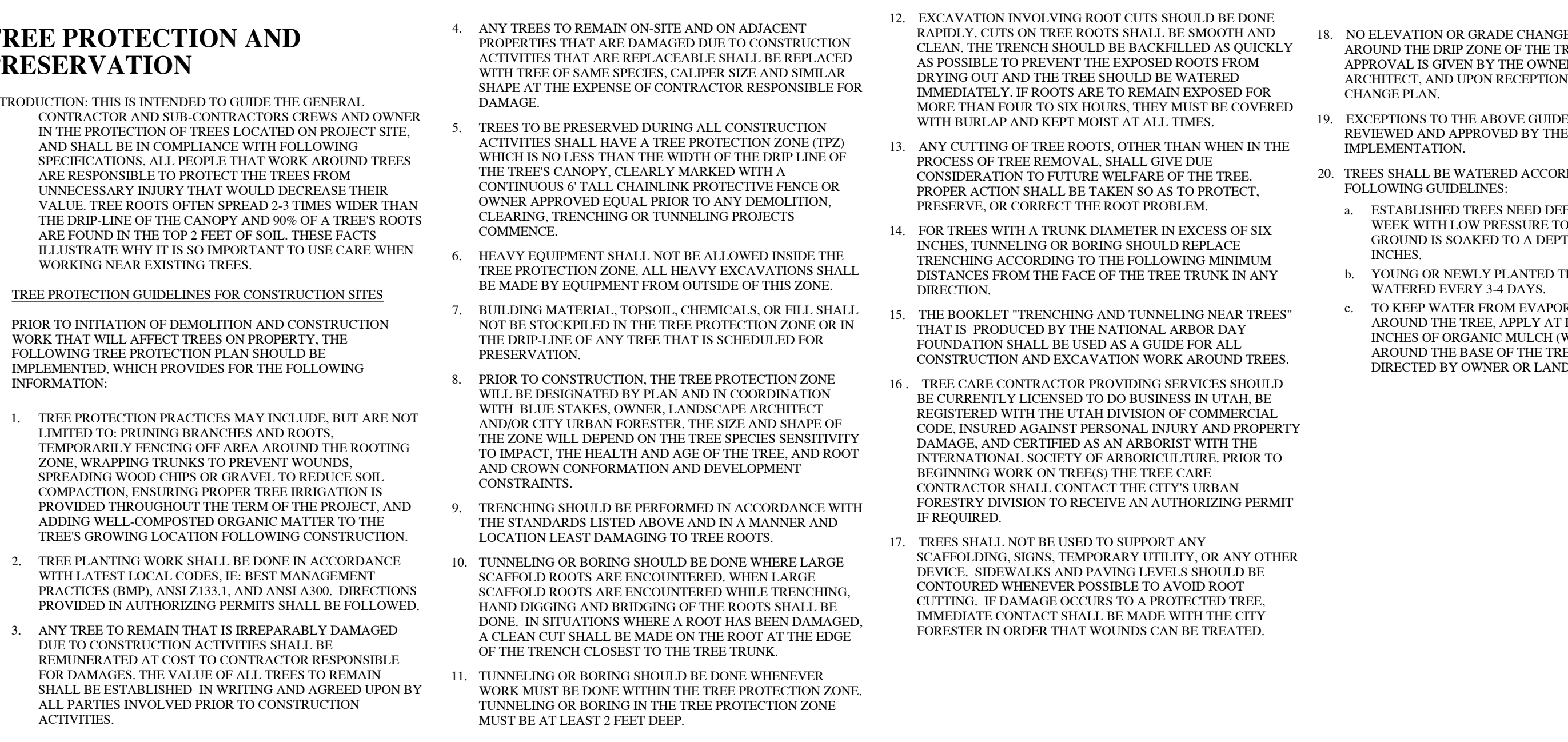
50 TREE WELL IN TURF AREA SCALE: NTS

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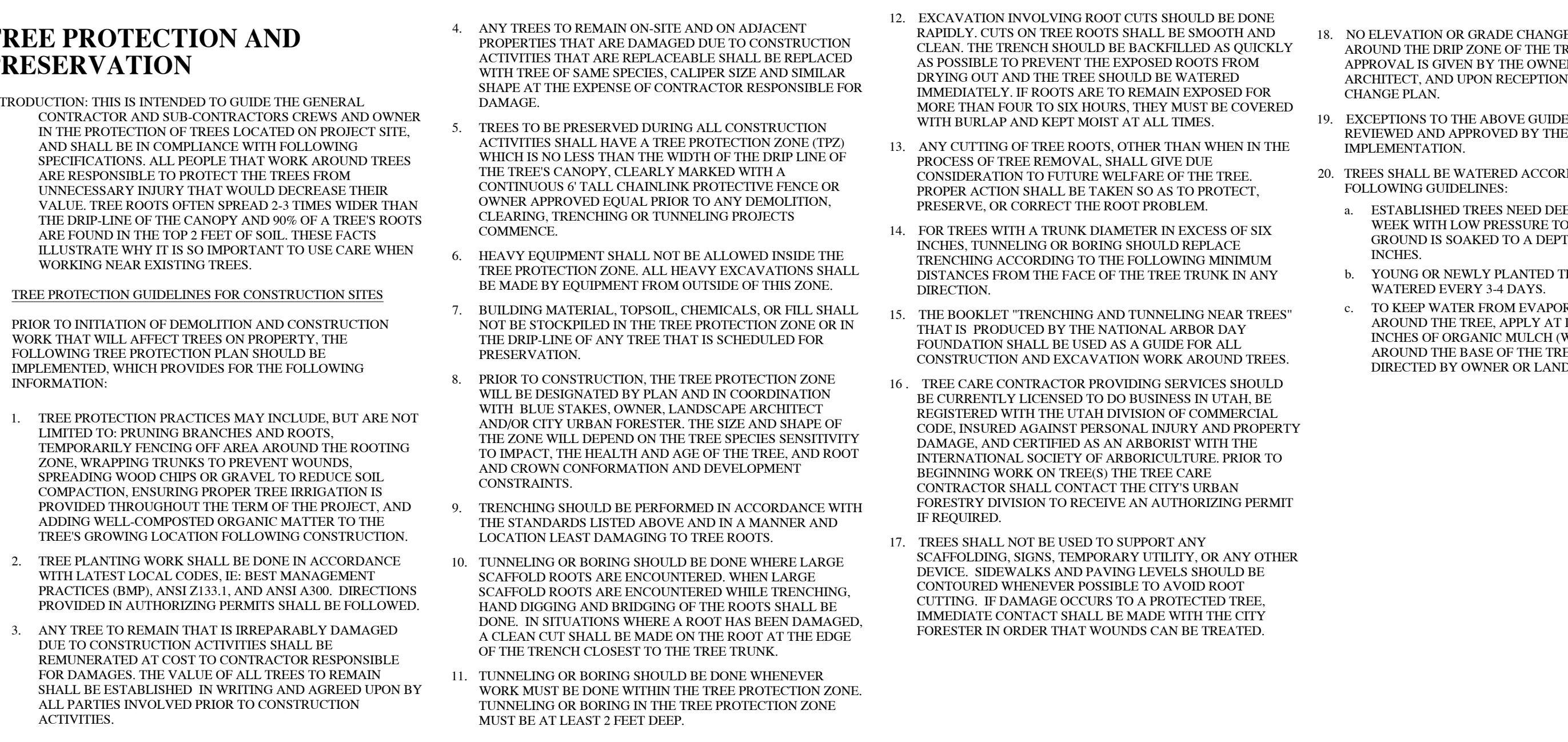
51 TREE WELL IN TURF AREA SCALE: NTS

AZ



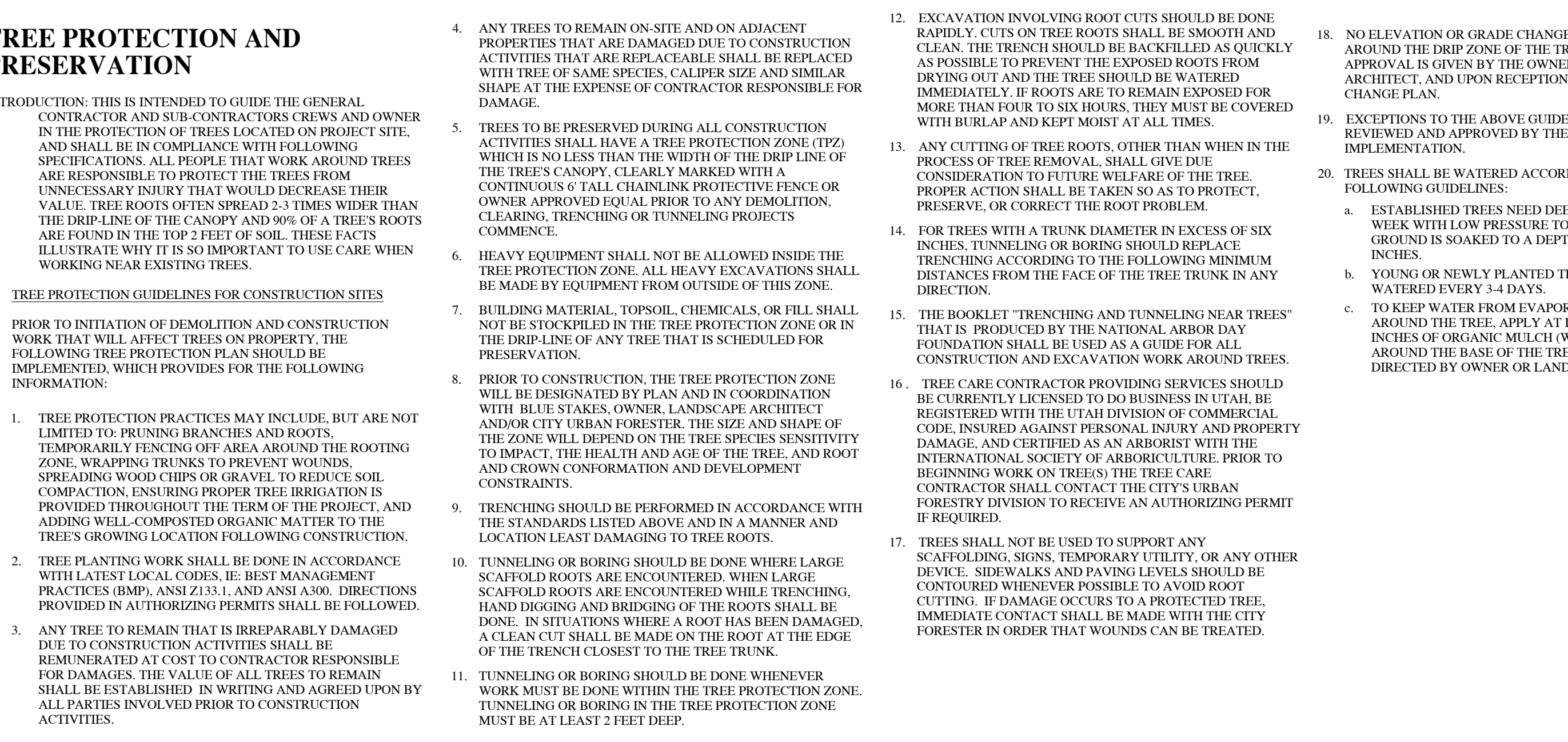
52 TREE WELL IN TURF AREA SCALE: NTS

BA



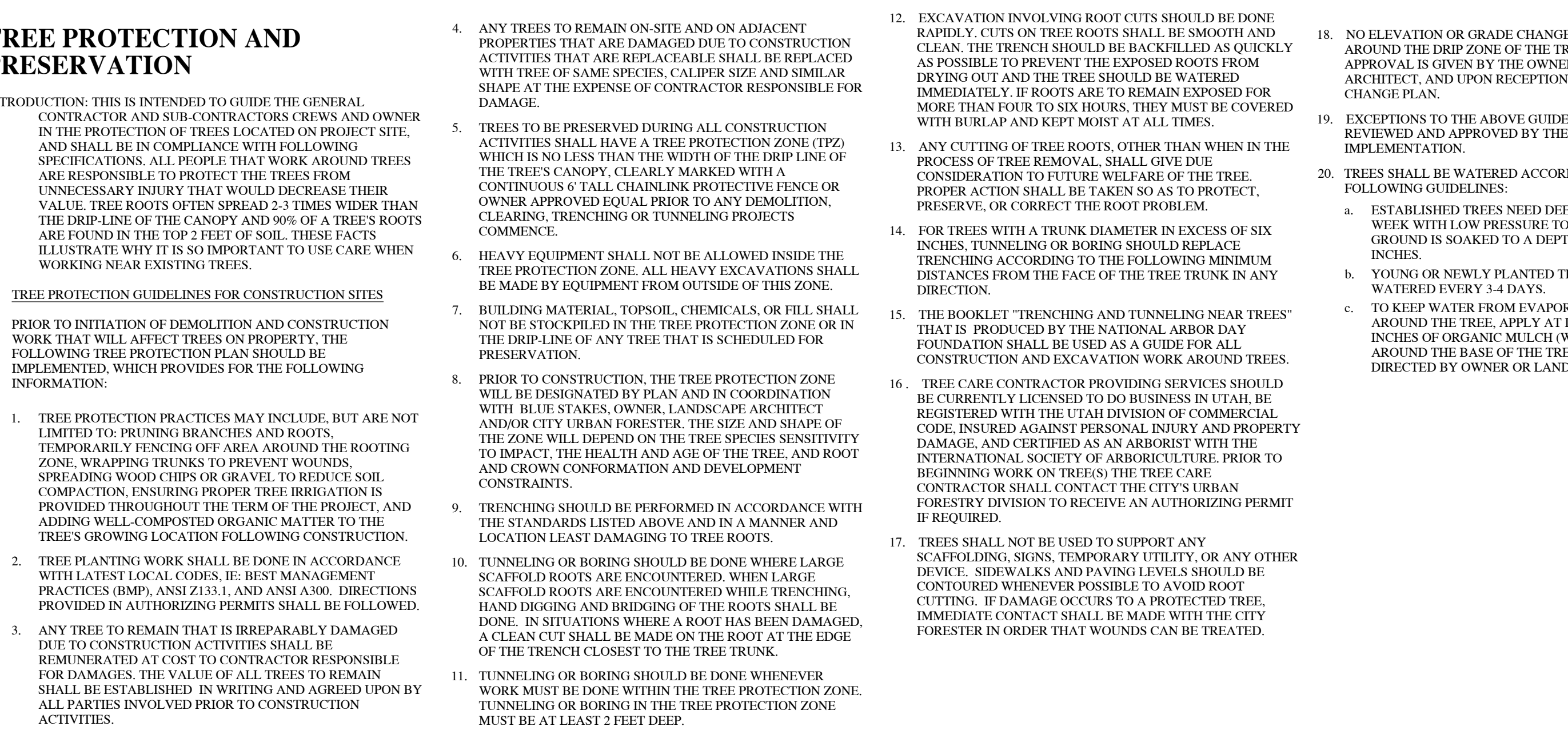
53 TREE WELL IN TURF AREA SCALE: NTS

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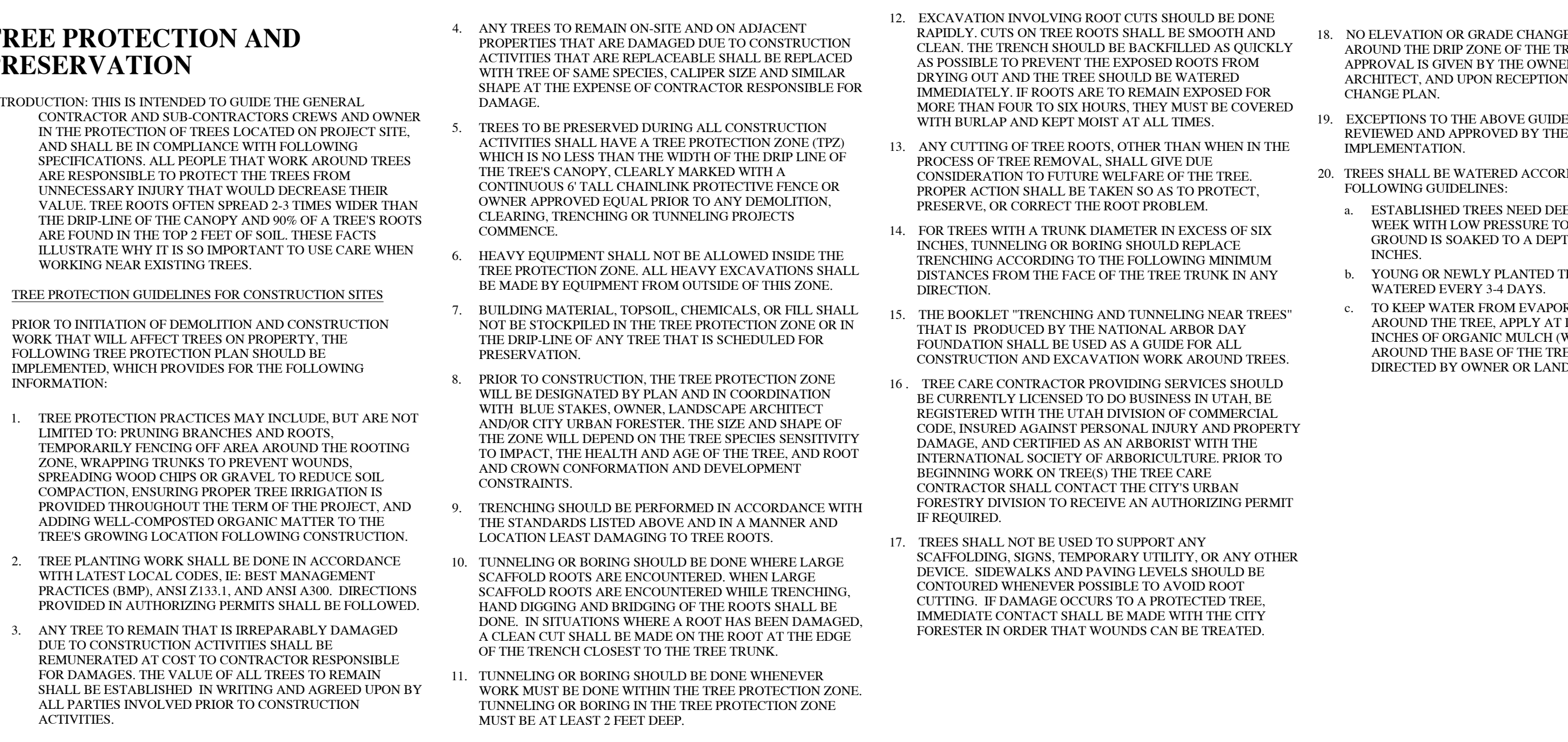
54 TREE WELL IN TURF AREA SCALE: NTS

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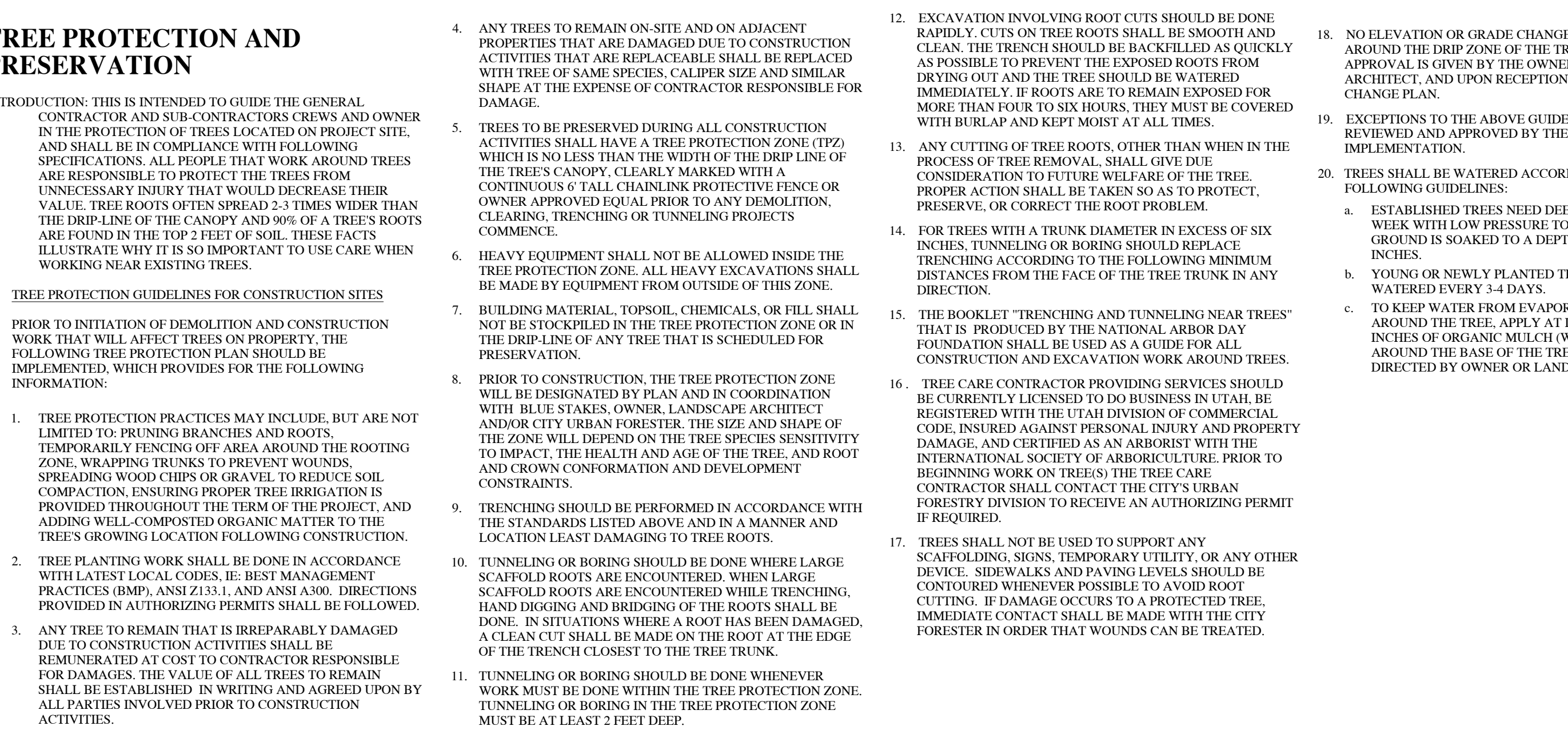
55 TREE WELL IN TURF AREA SCALE: NTS

BD



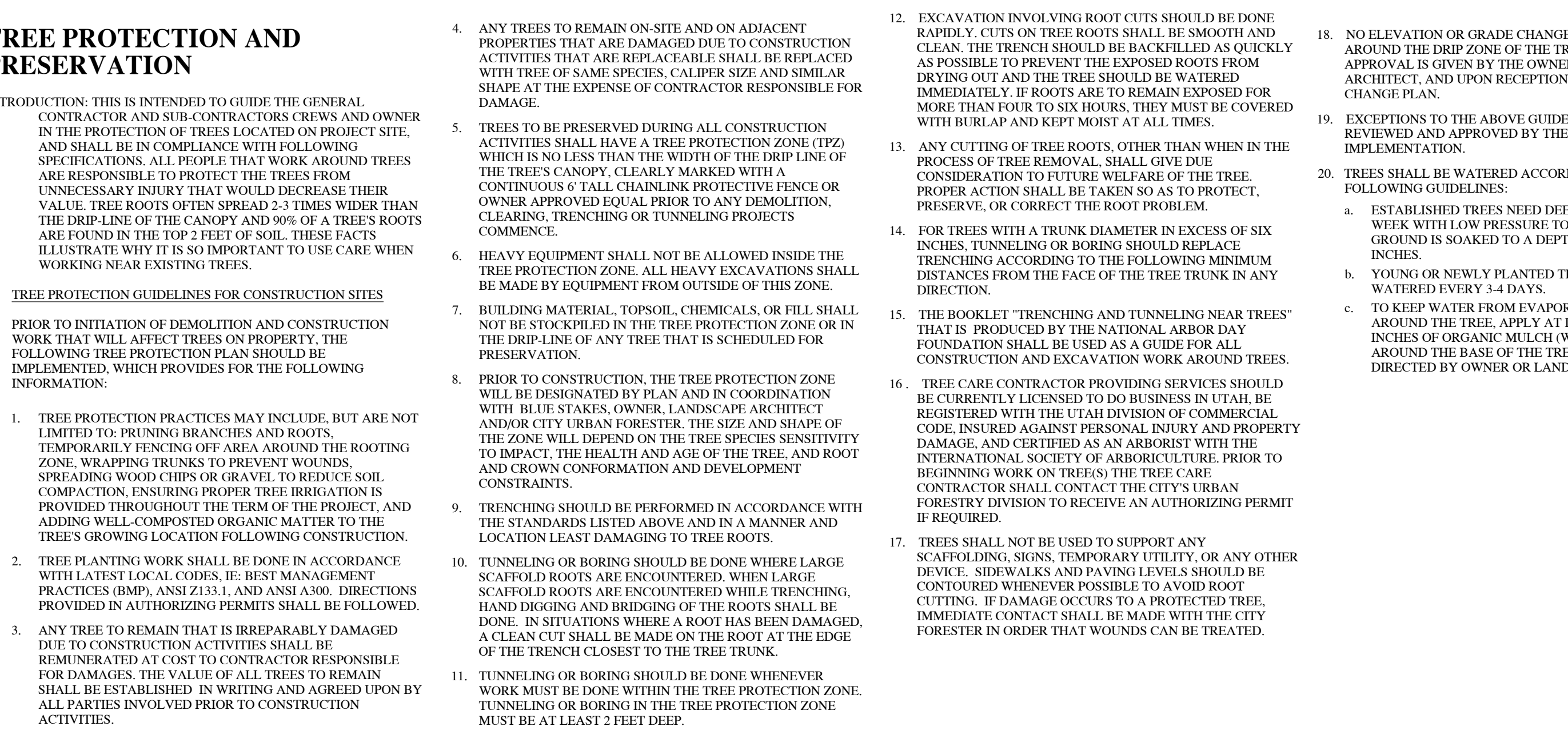
56 TREE WELL IN TURF AREA SCALE: NTS

BE



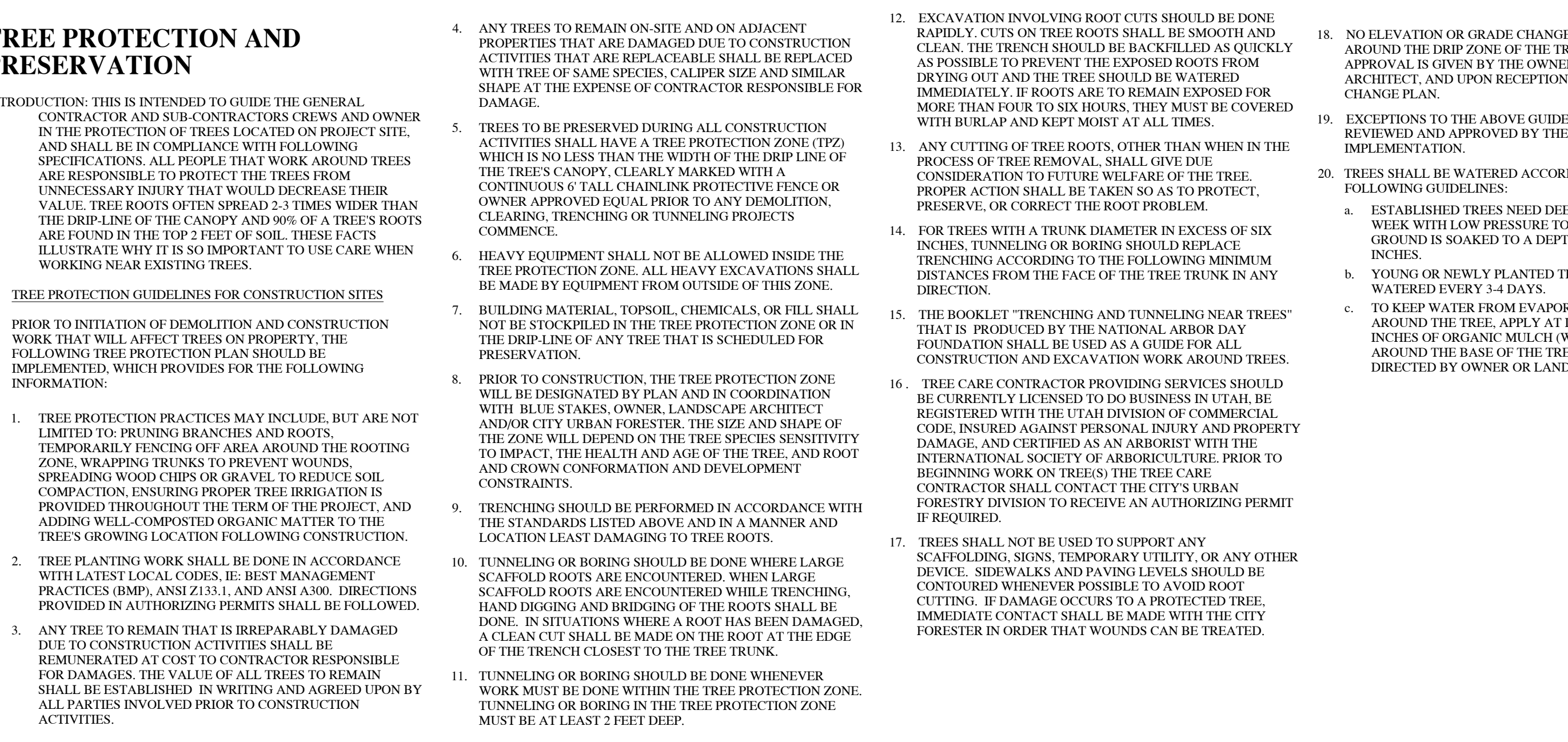
57 TREE WELL IN TURF AREA SCALE: NTS

BF



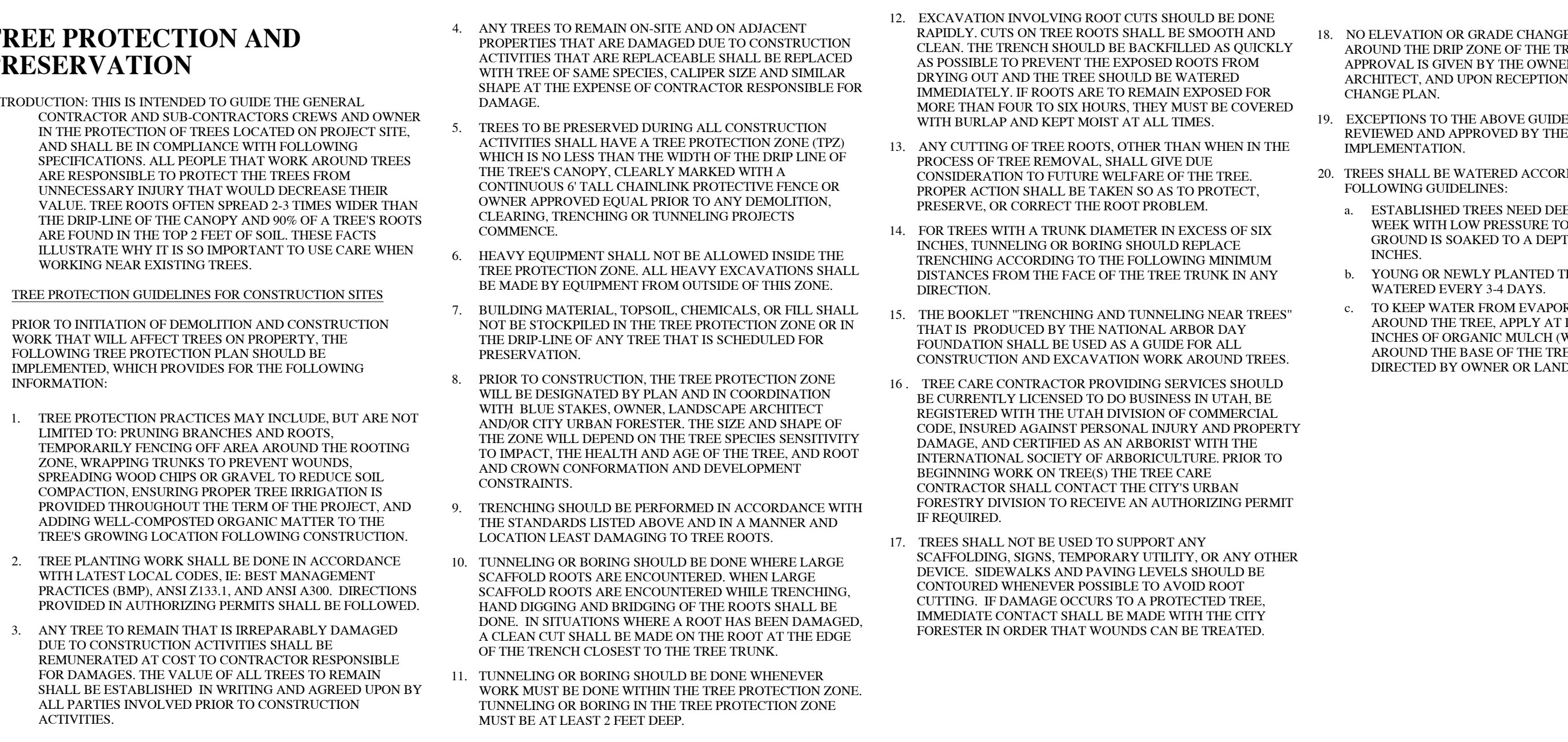
58 TREE WELL IN TURF AREA SCALE: NTS

BG



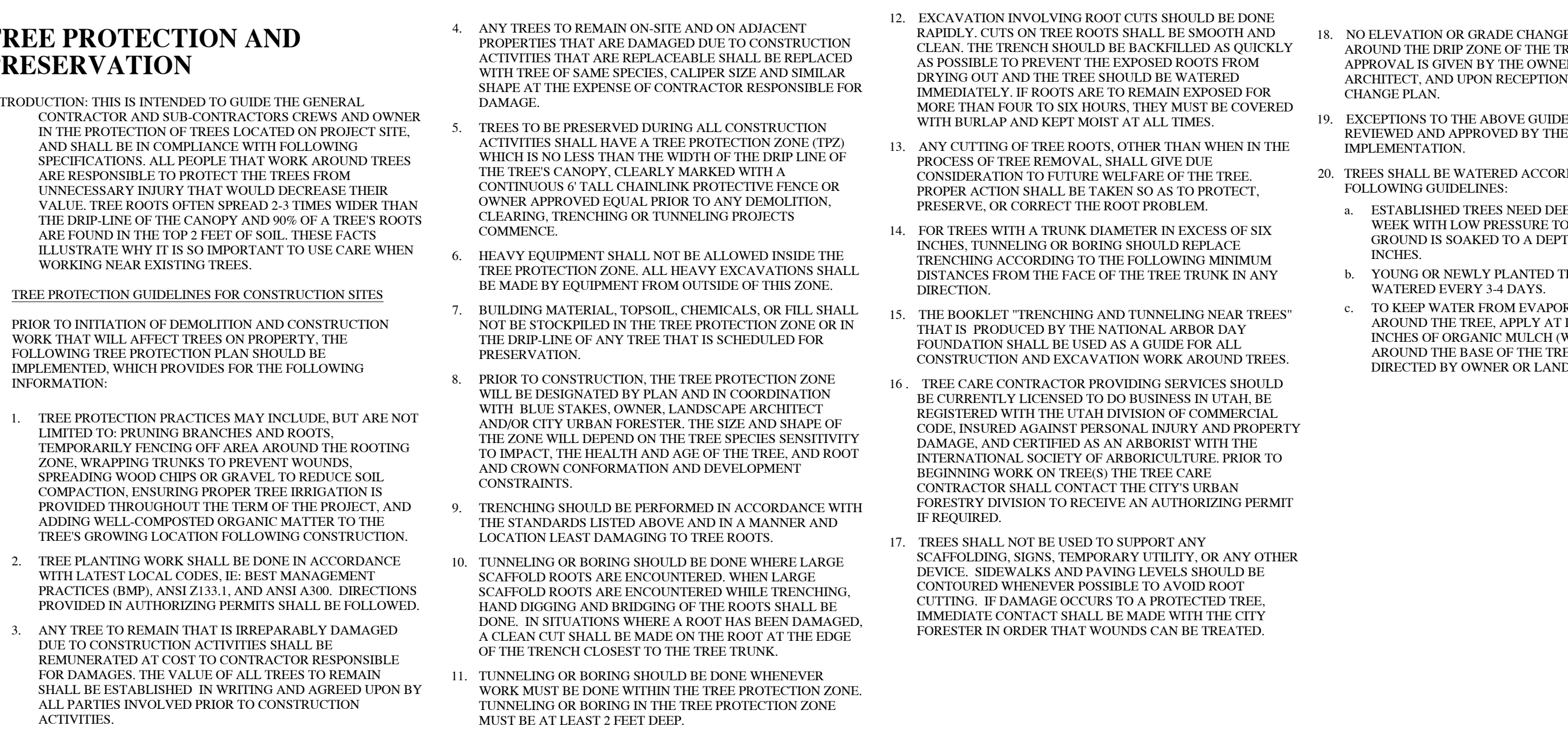
59 TREE WELL IN TURF AREA SCALE: NTS

BH



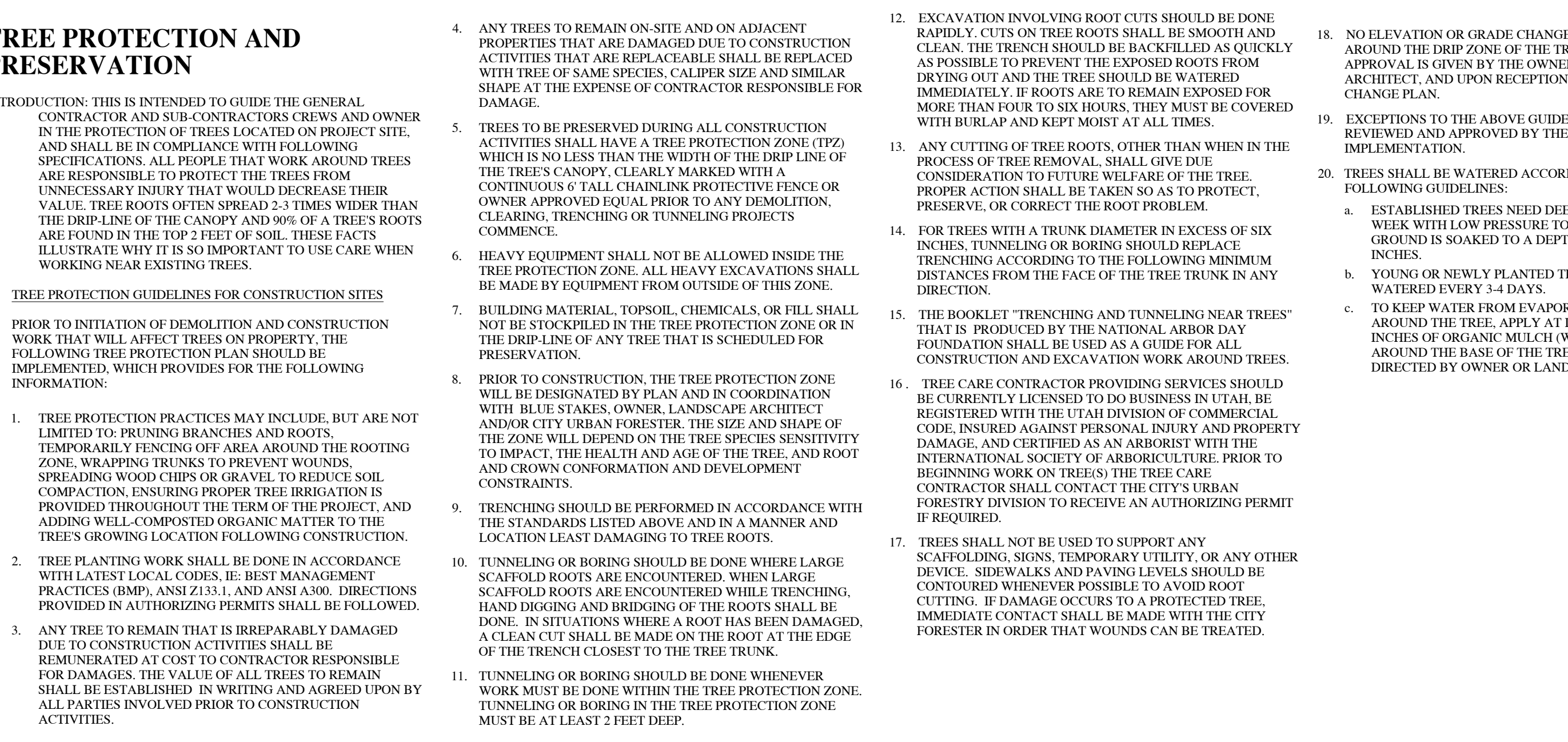
60 TREE WELL IN TURF AREA SCALE: NTS

BI



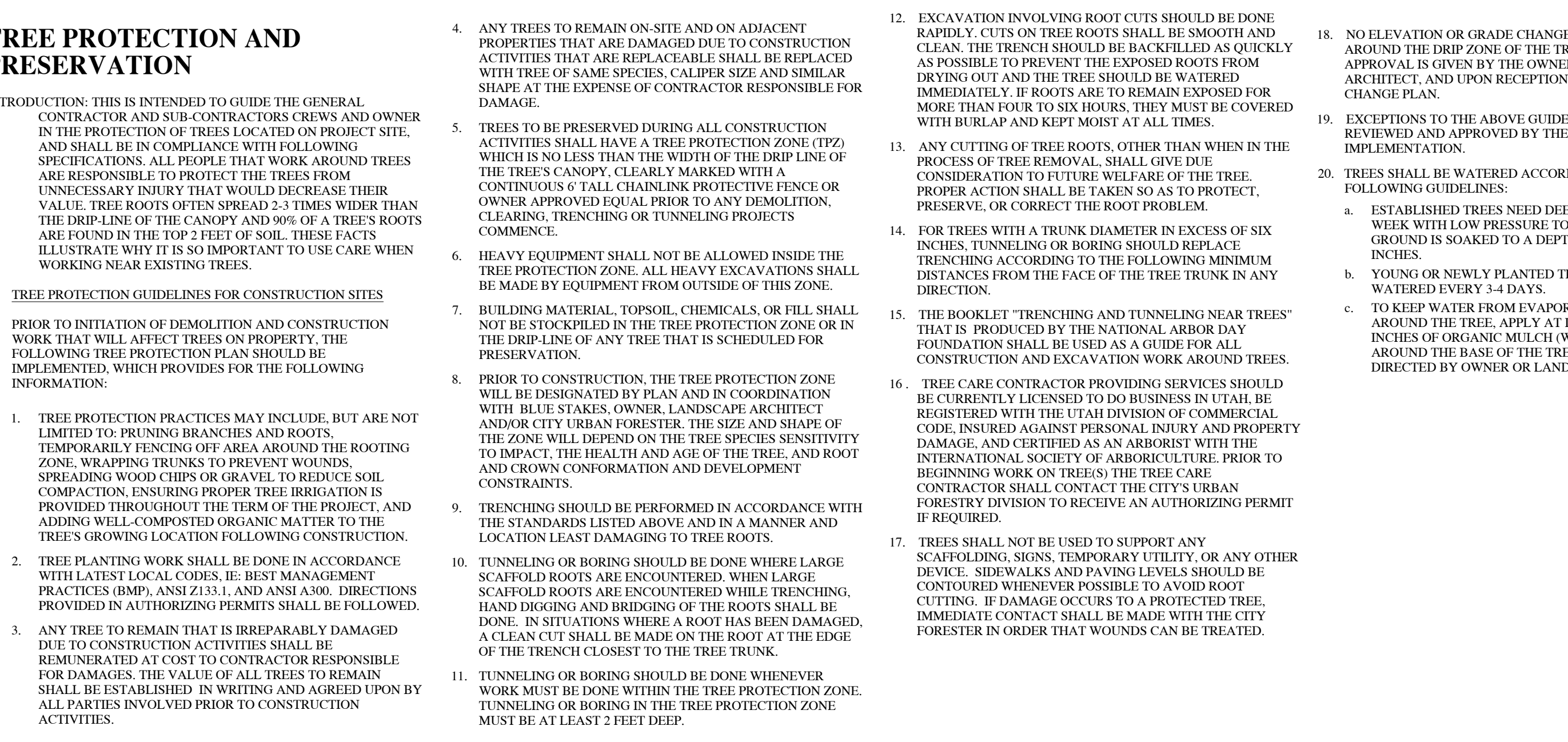
61 TREE WELL IN TURF AREA SCALE: NTS

BJ



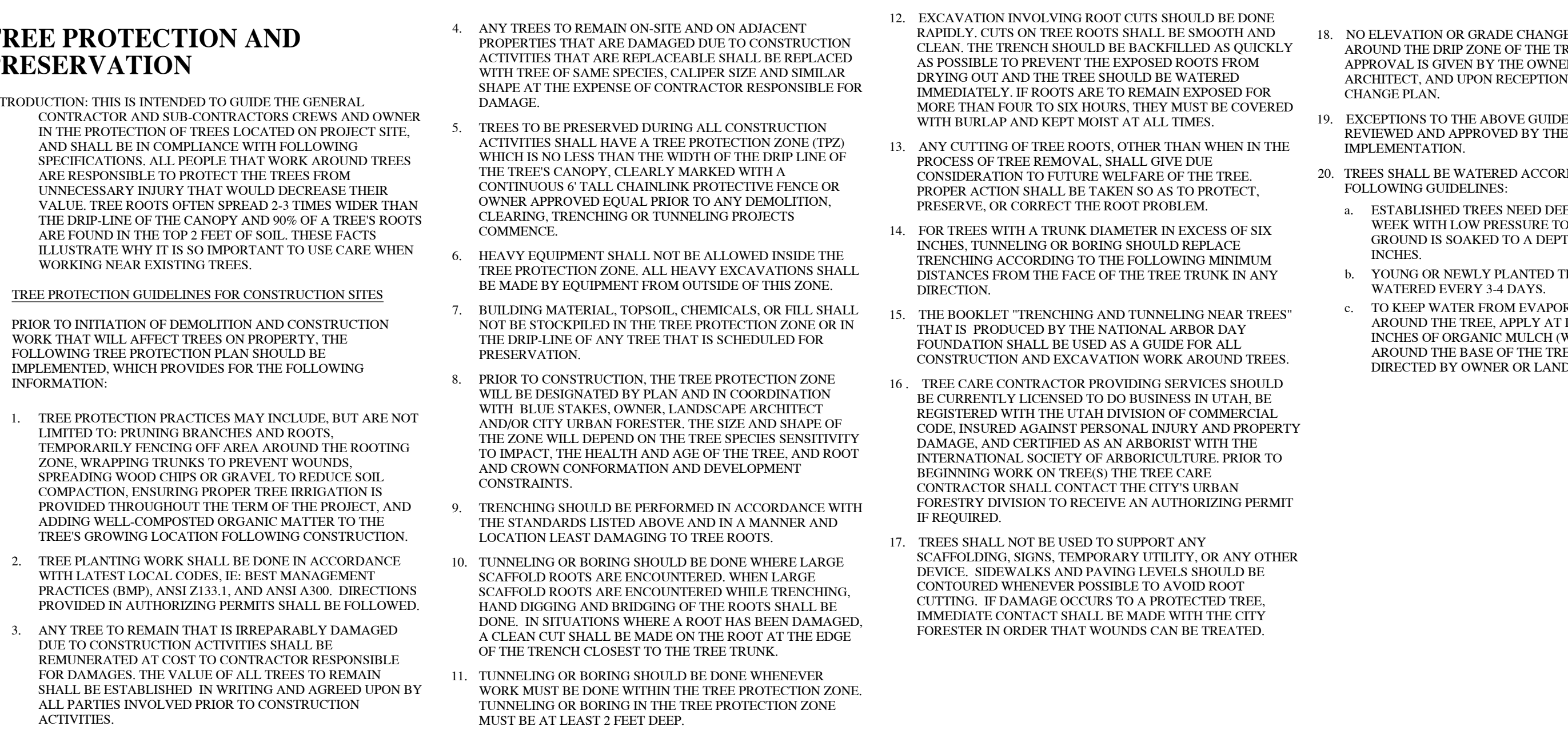
62 TREE WELL IN TURF AREA SCALE: NTS

BK



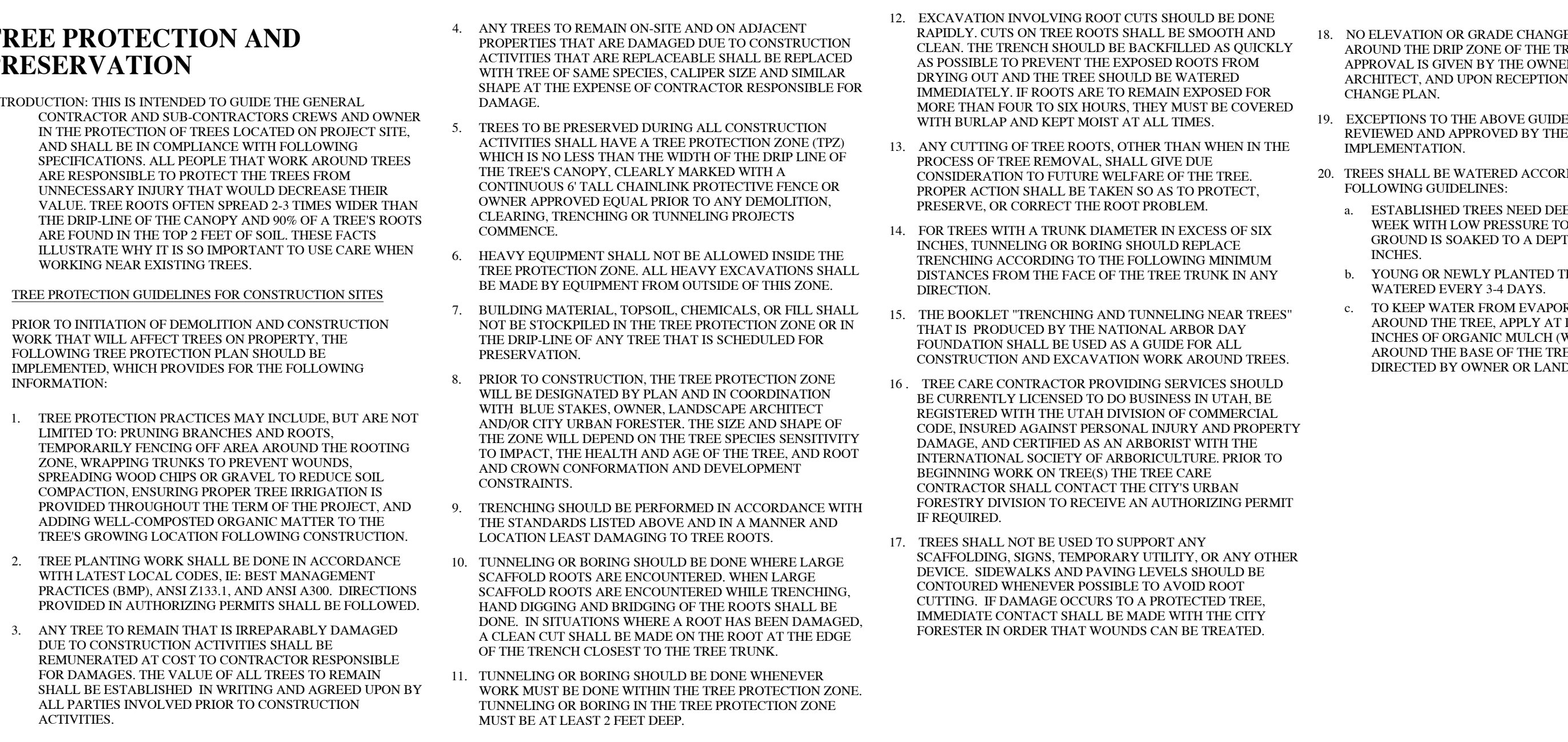
63 TREE WELL IN TURF AREA SCALE: NTS

BL



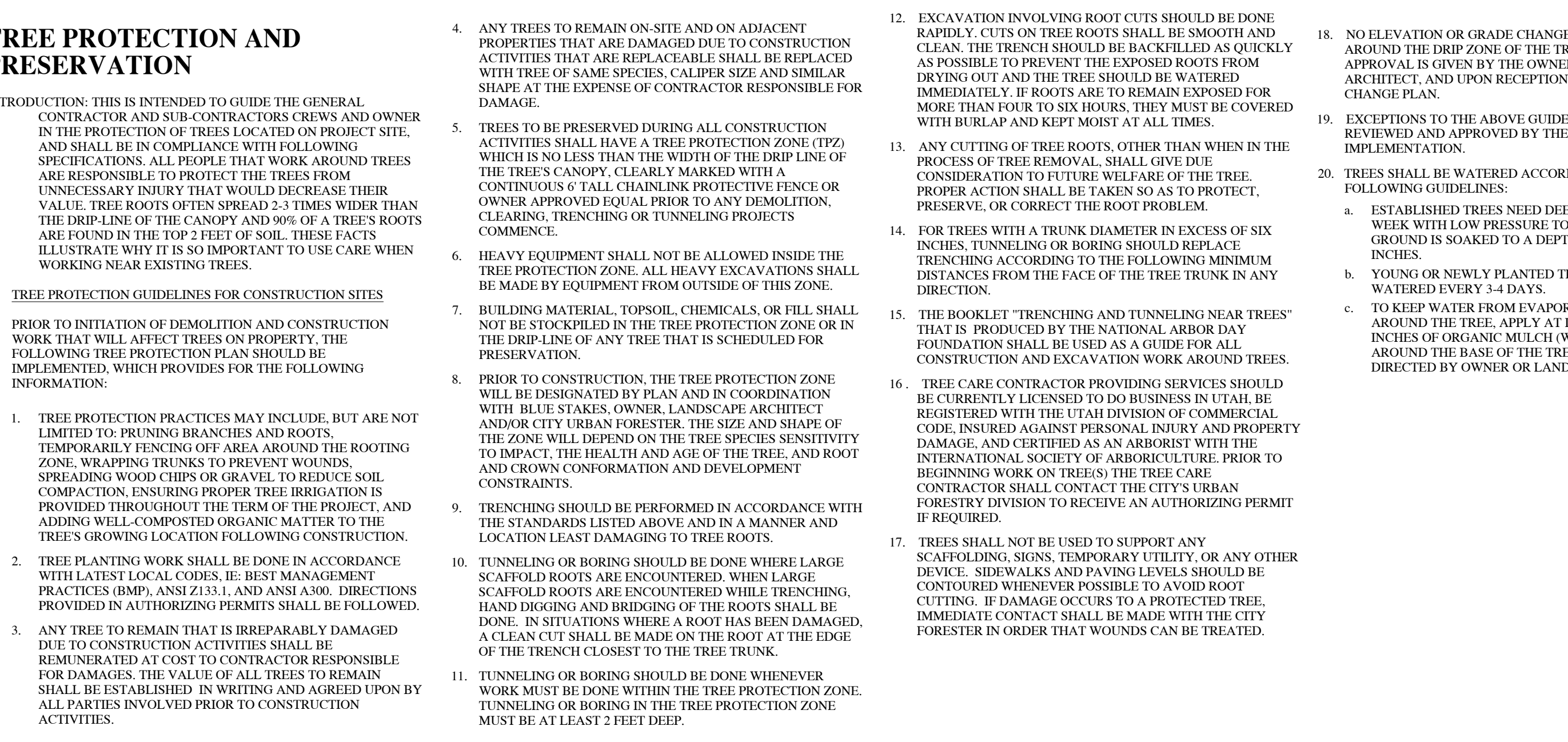
64 TREE WELL IN TURF AREA SCALE: NTS

BM



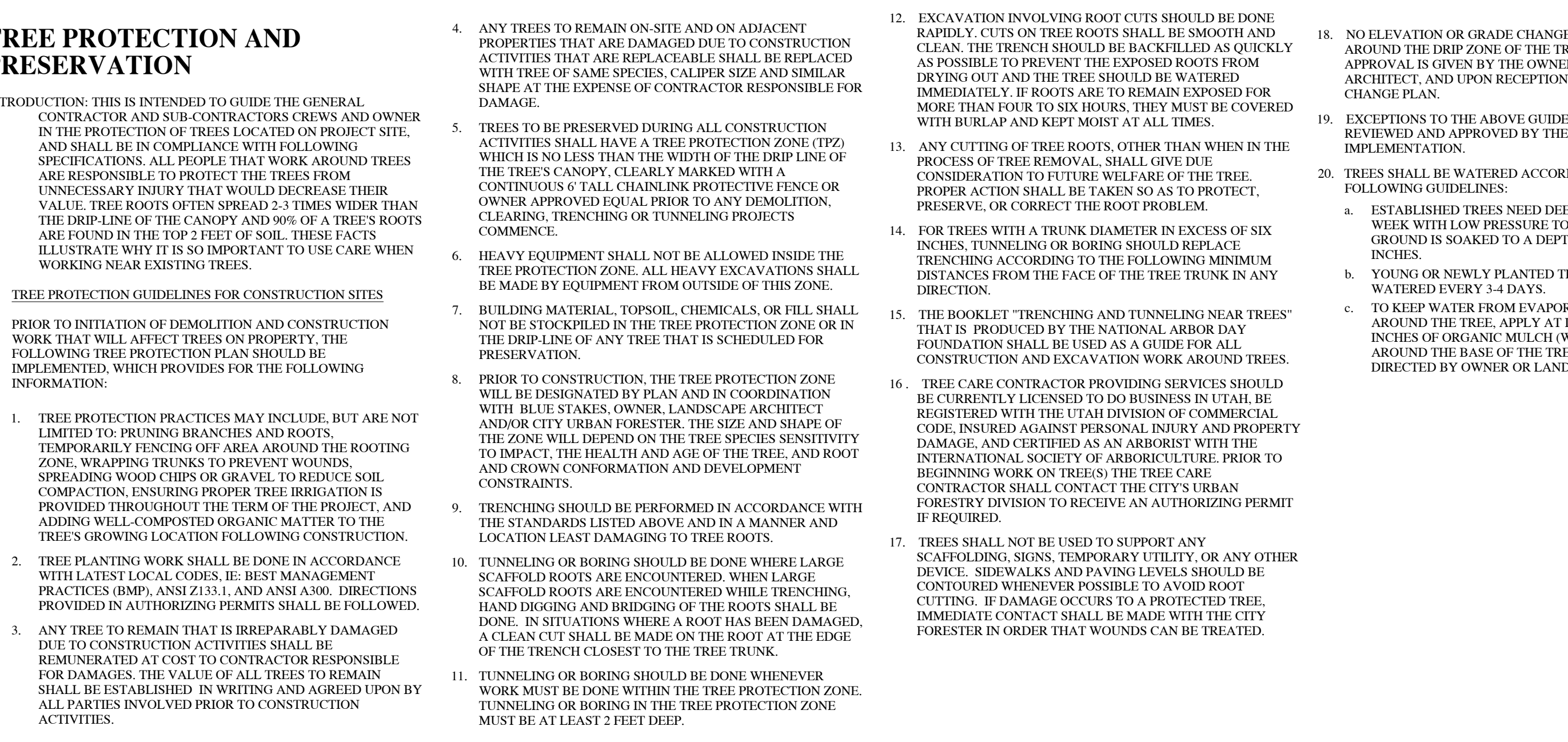
65 TREE WELL IN TURF AREA SCALE: NTS

BN



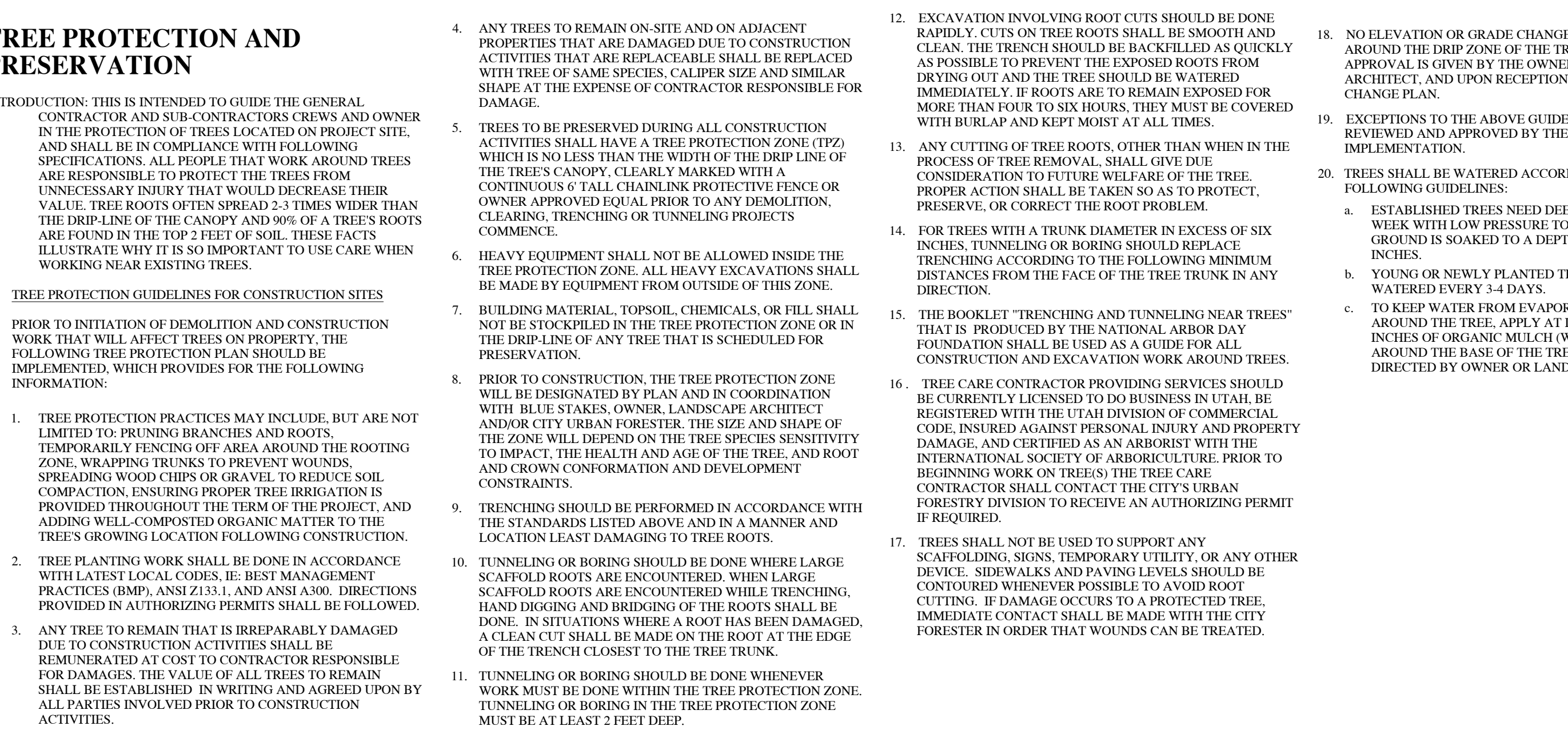
66 TREE WELL IN TURF AREA SCALE: NTS

BO



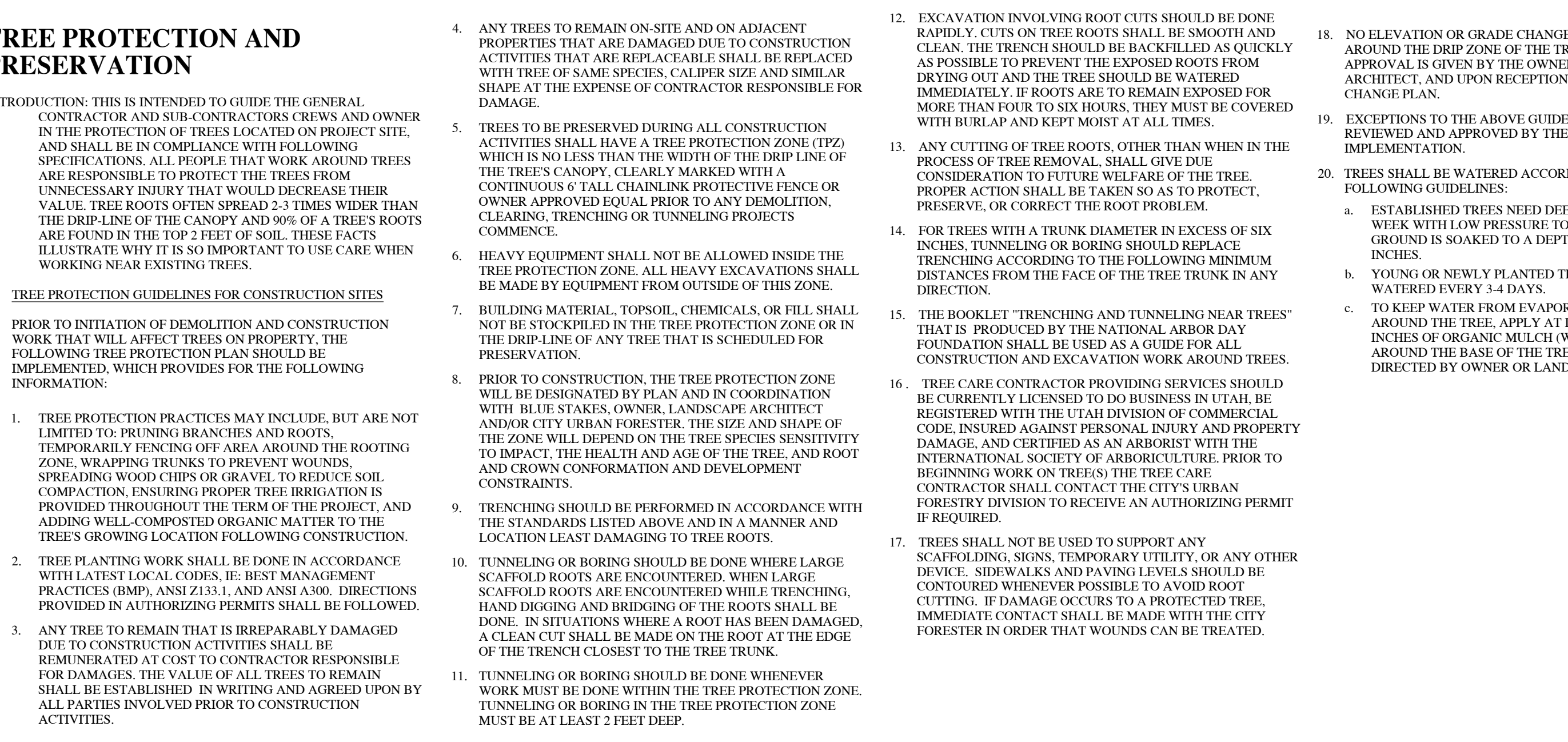
67 TREE WELL IN TURF AREA SCALE: NTS

BP



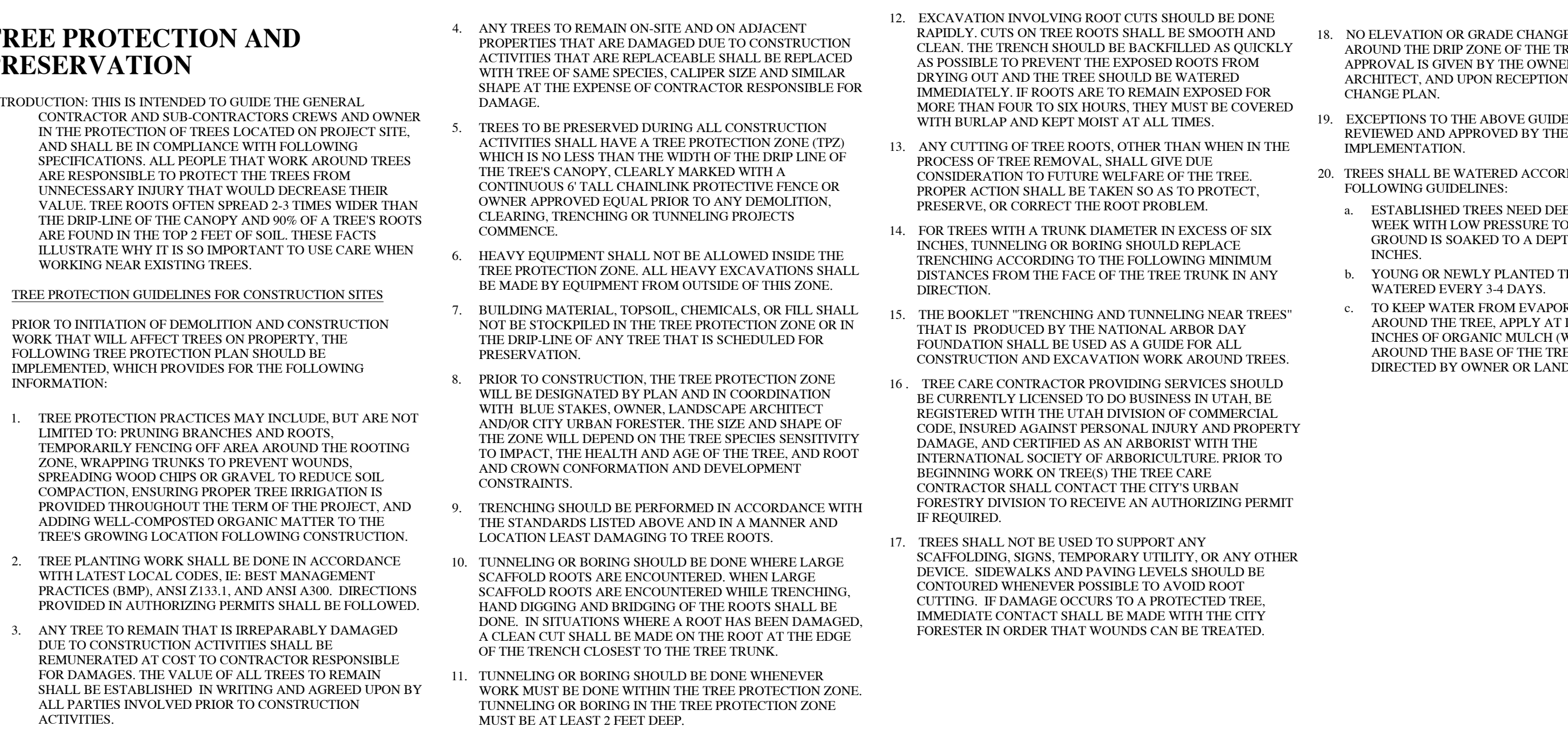
68 TREE WELL IN TURF AREA SCALE: NTS

BQ



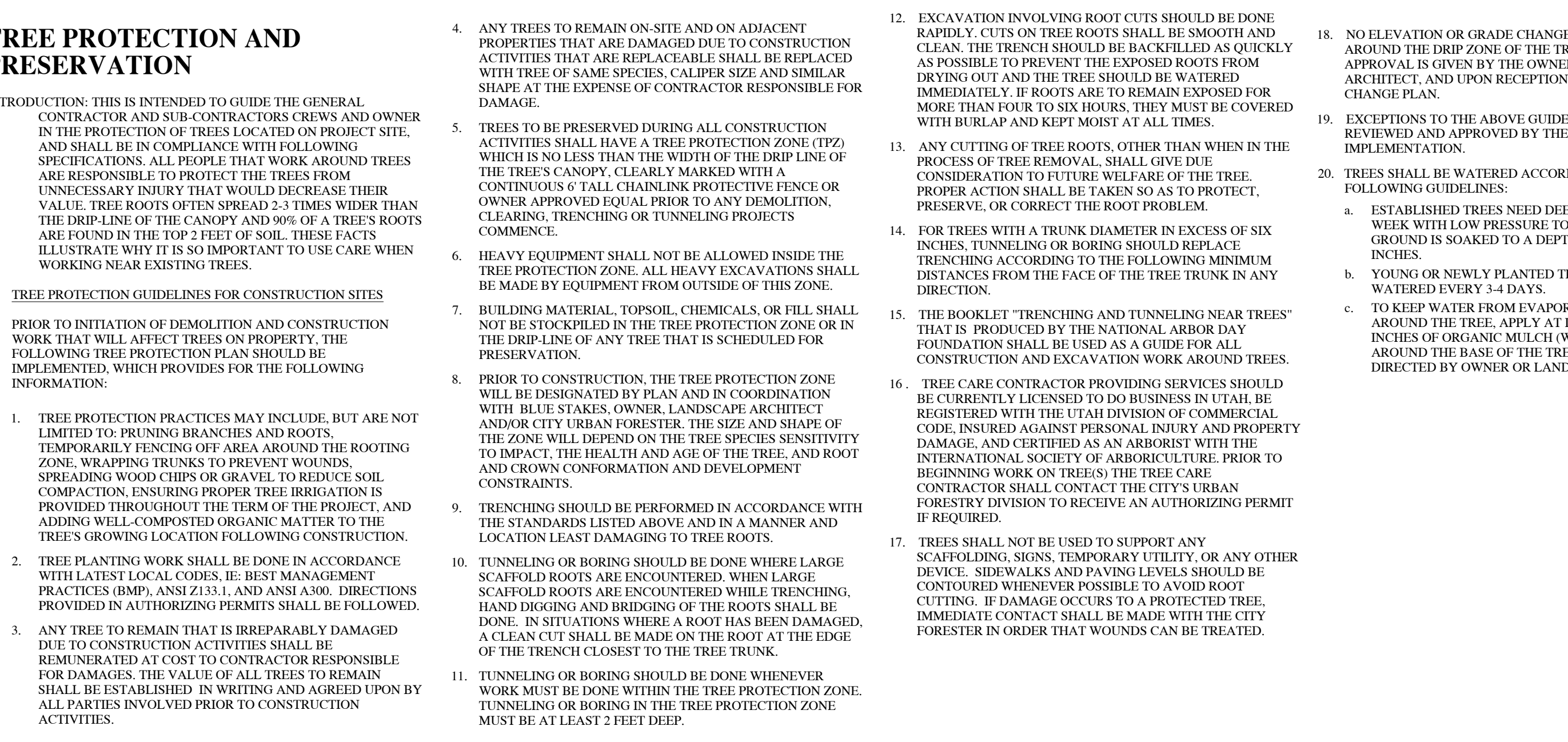
69 TREE WELL IN TURF AREA SCALE: NTS

BR



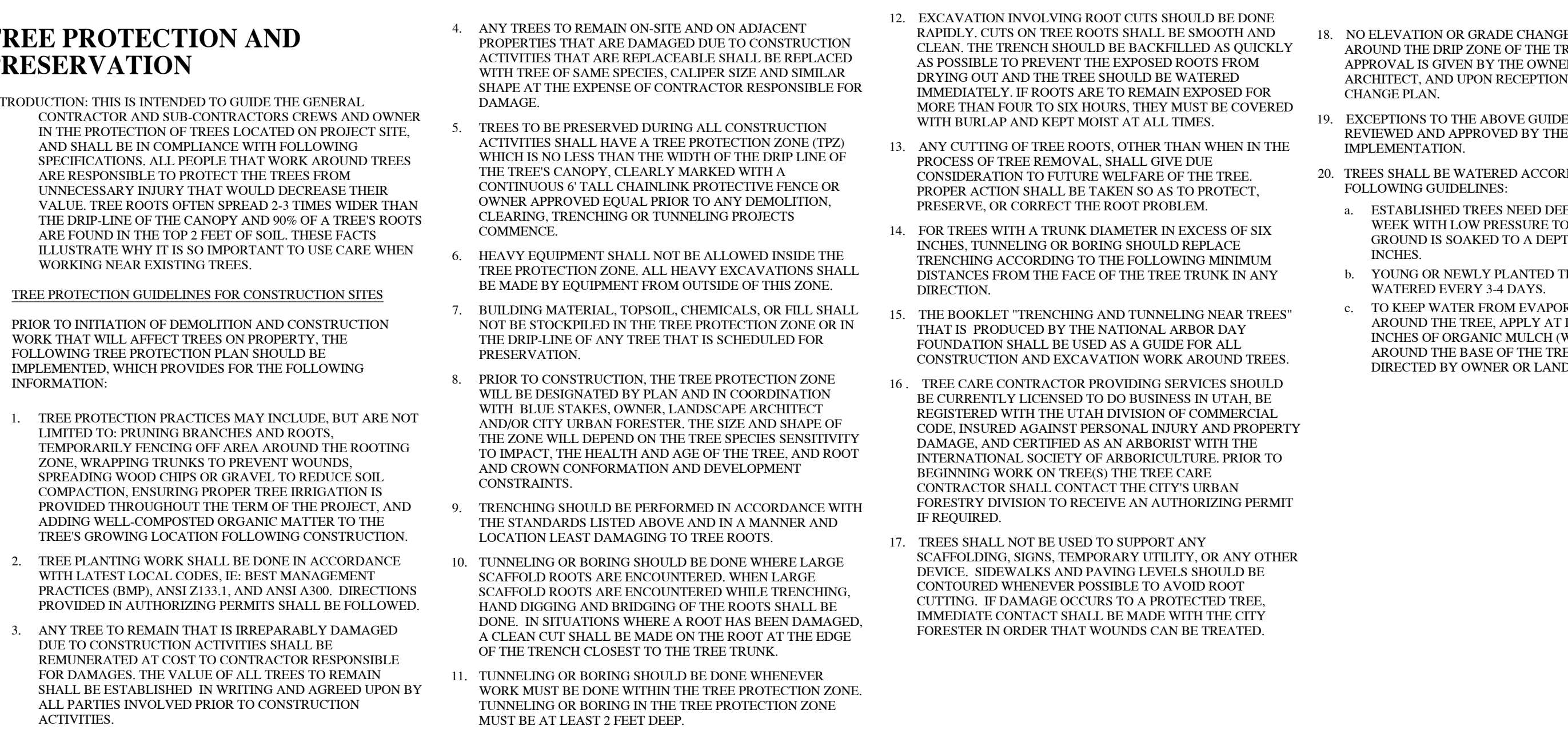
70 TREE WELL IN TURF AREA SCALE: NTS

BS



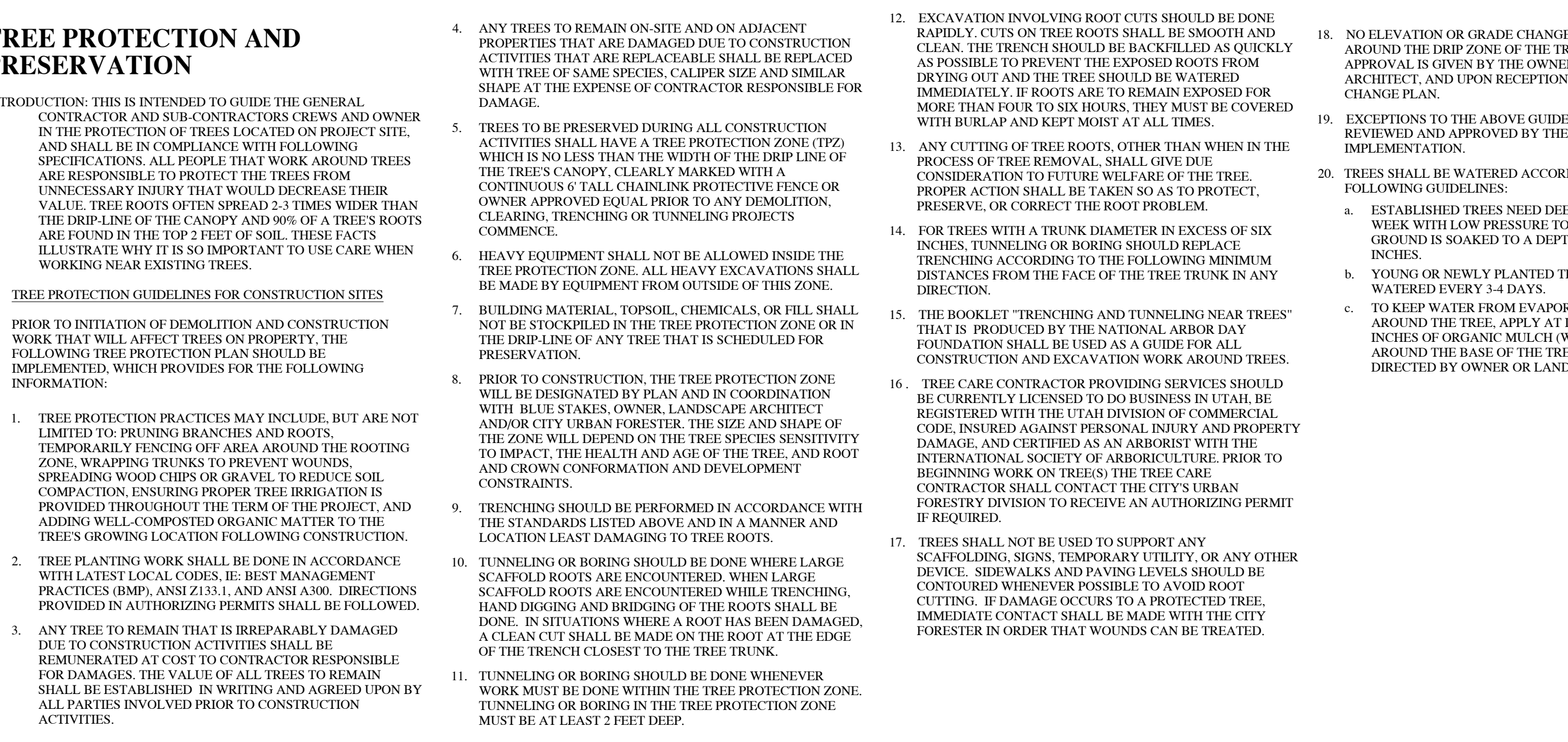
71 TREE WELL IN TURF AREA SCALE: NTS

BT



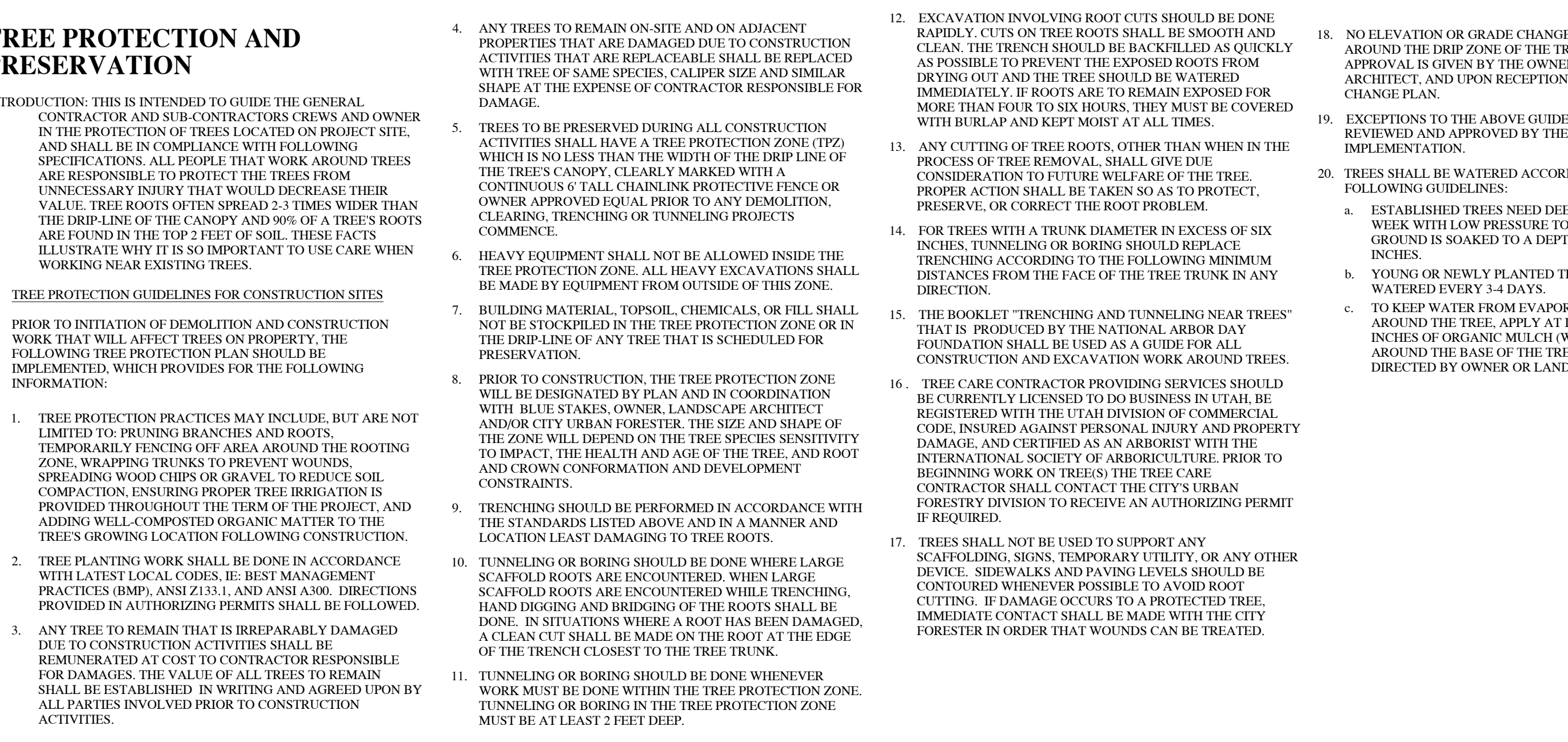
72 TREE WELL IN TURF AREA SCALE: NTS

BV



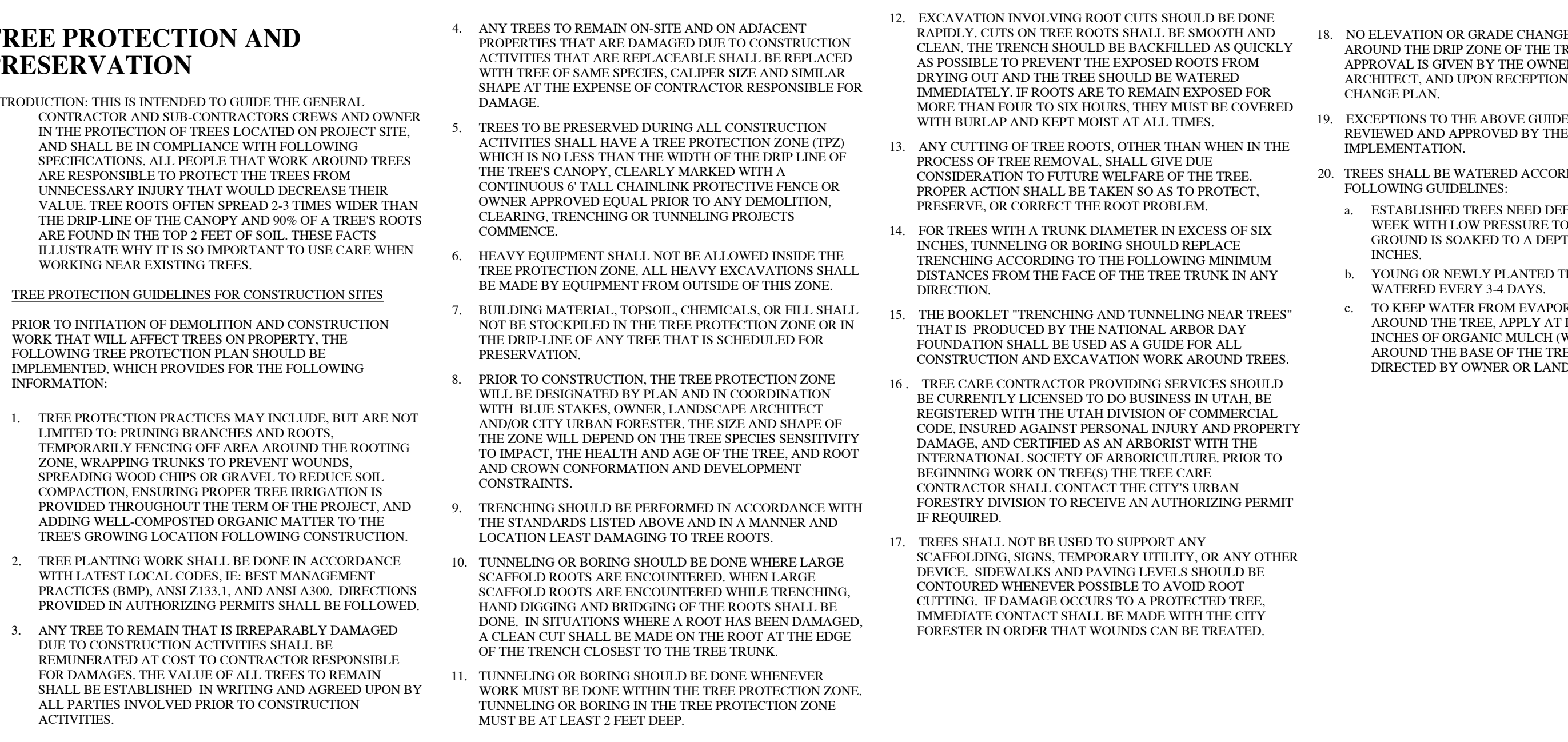
73 TREE WELL IN TURF AREA SCALE: NTS

BW



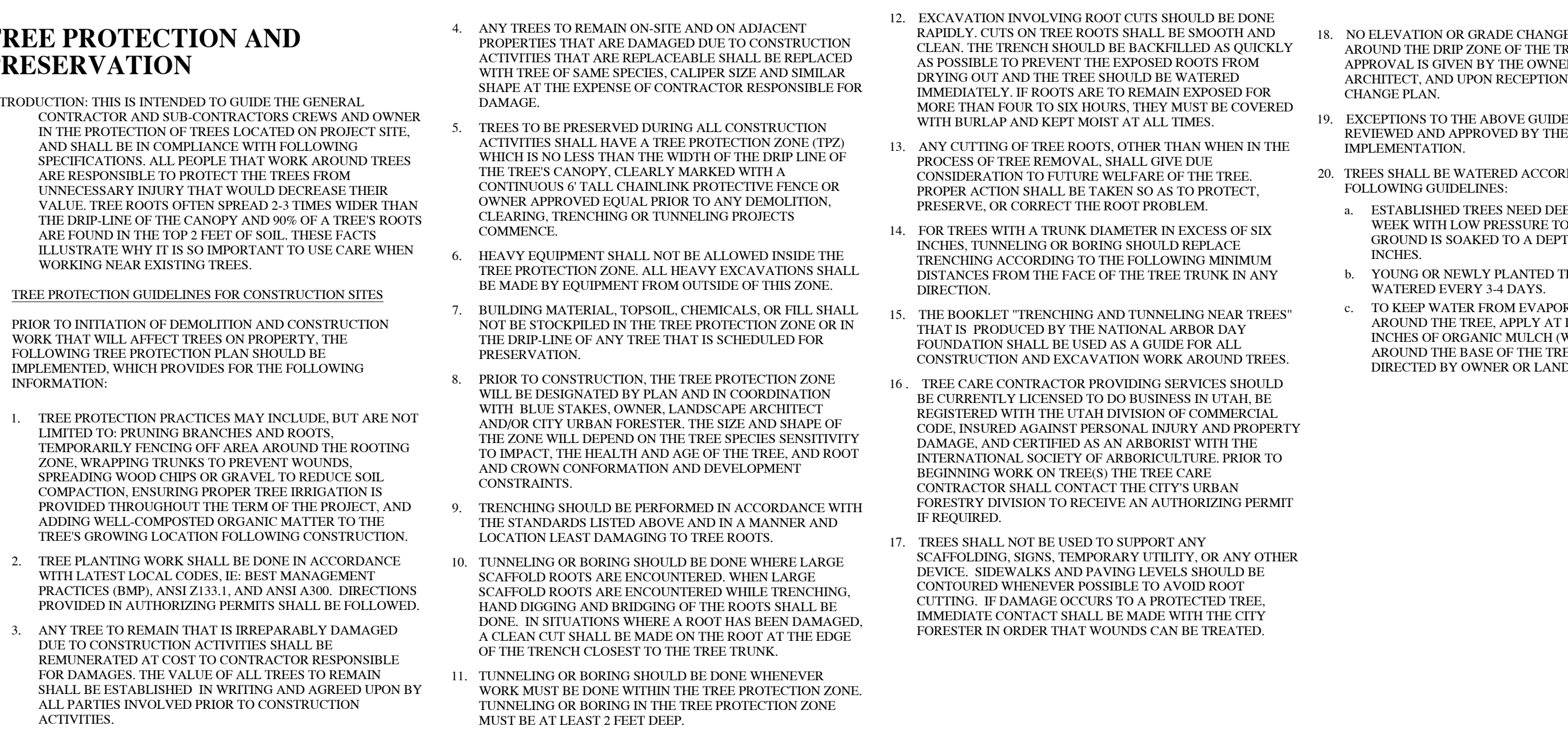
74 TREE WELL IN TURF AREA SCALE: NTS

BX



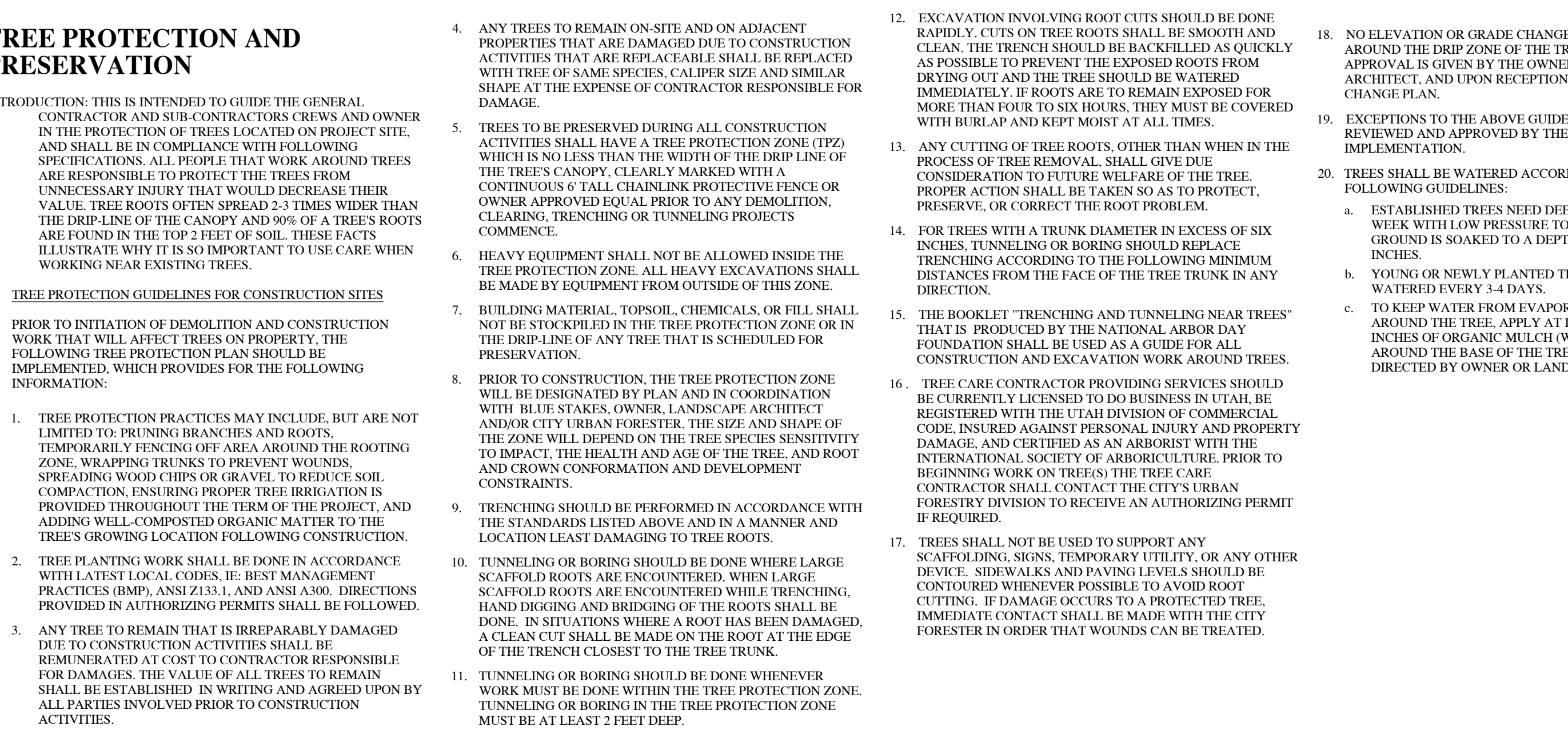
75 TREE WELL IN TURF AREA SCALE: NTS

BY



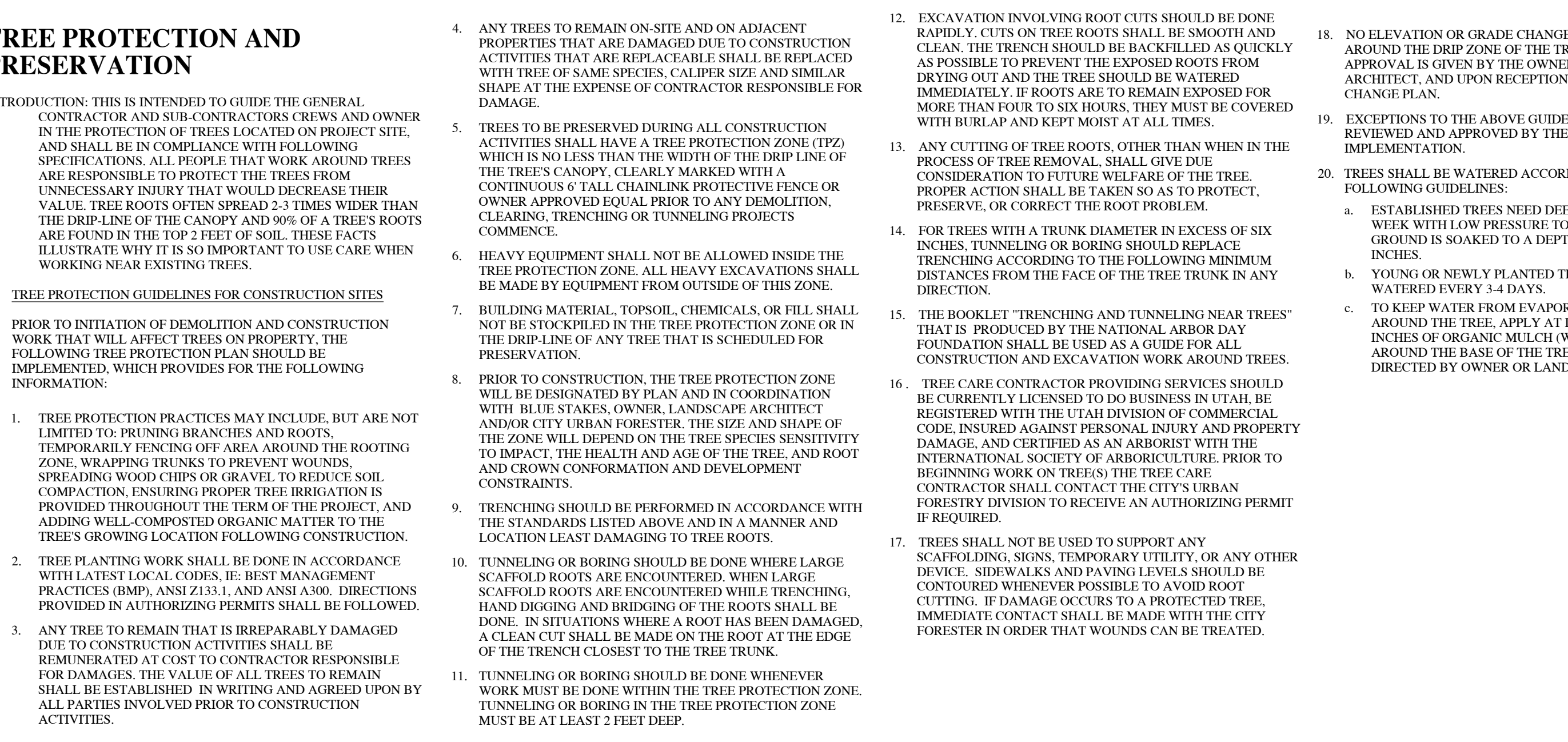
76 TREE WELL IN TURF AREA SCALE: NTS

BZ



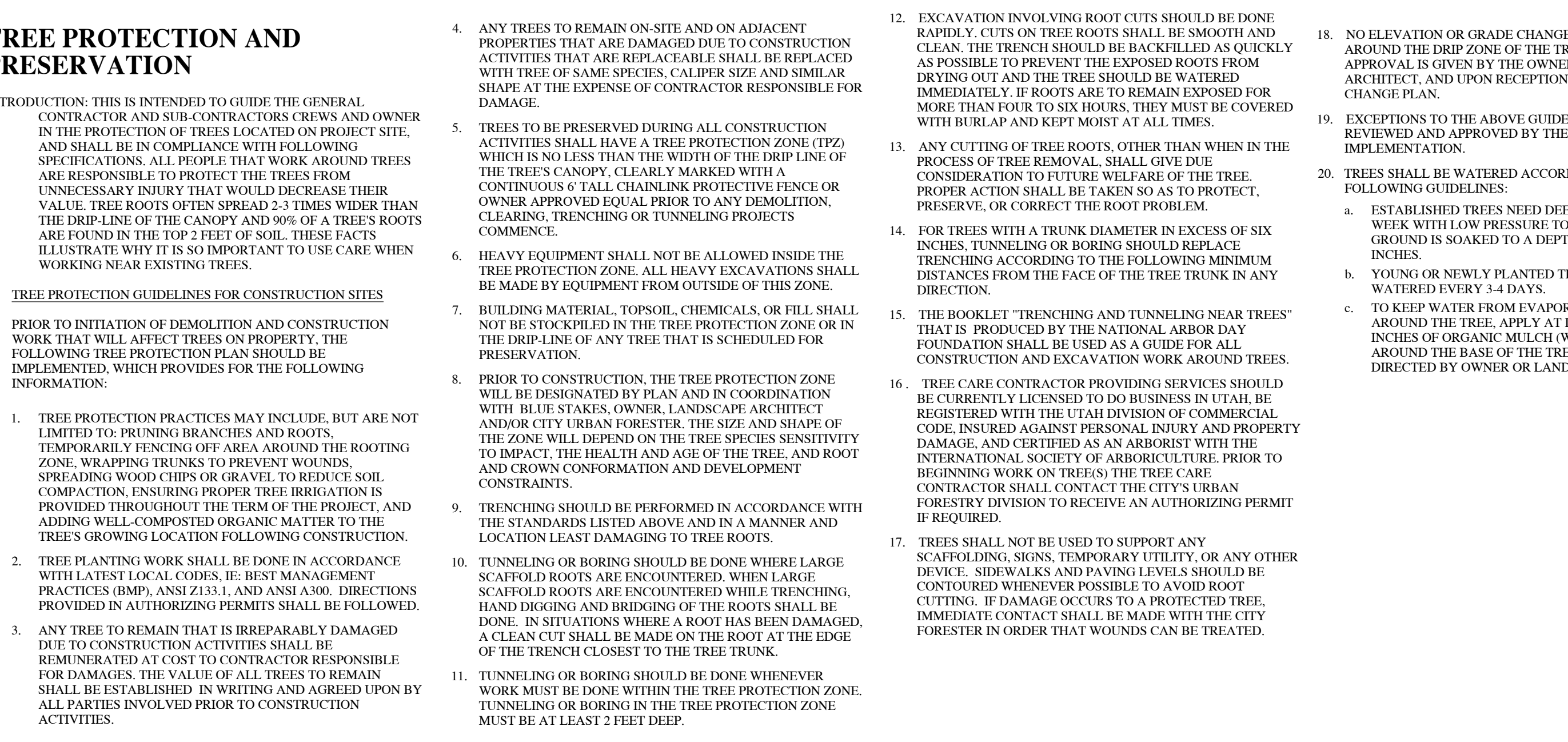
77 TREE WELL IN TURF AREA SCALE: NTS

CA



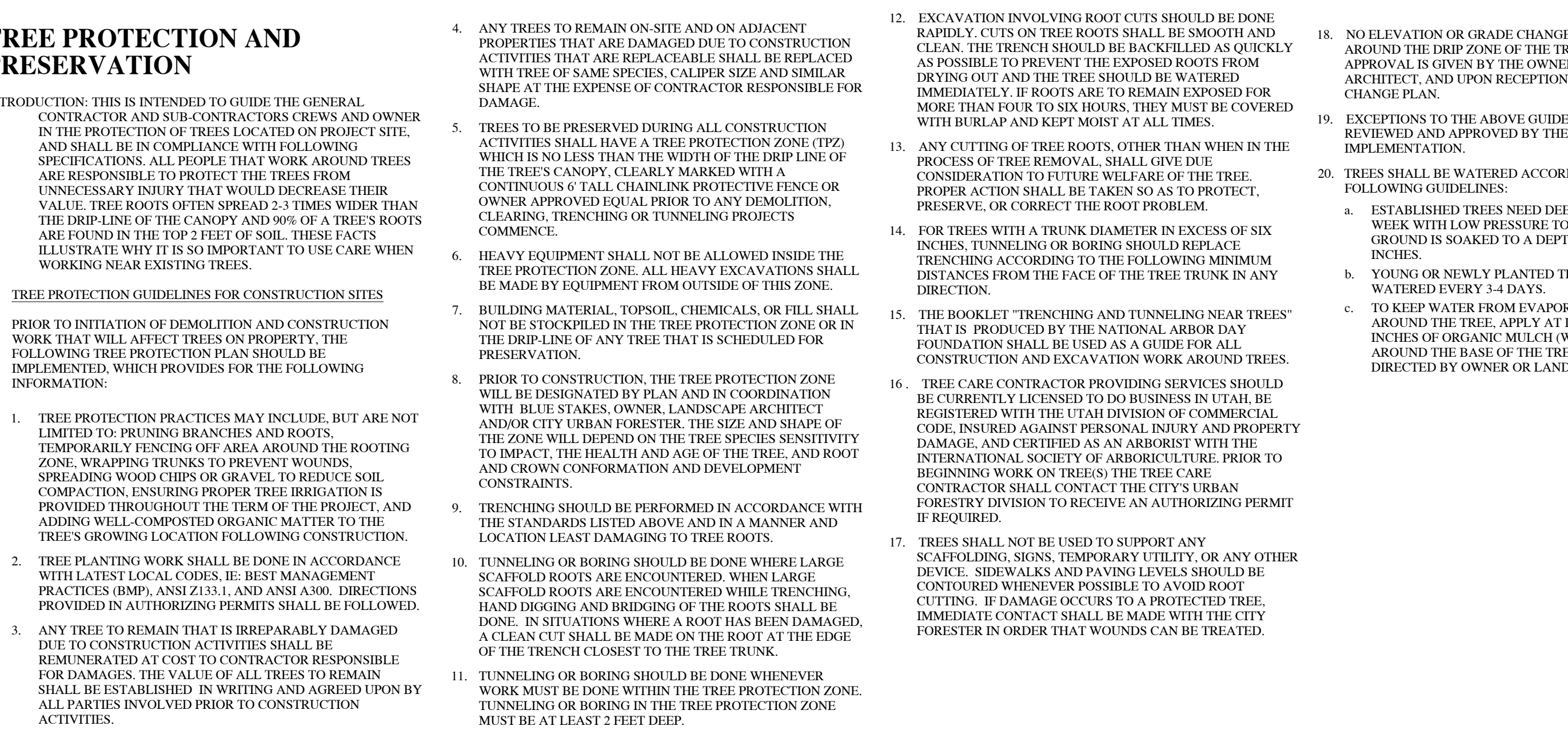
78 TREE WELL IN TURF AREA SCALE: NTS

CB



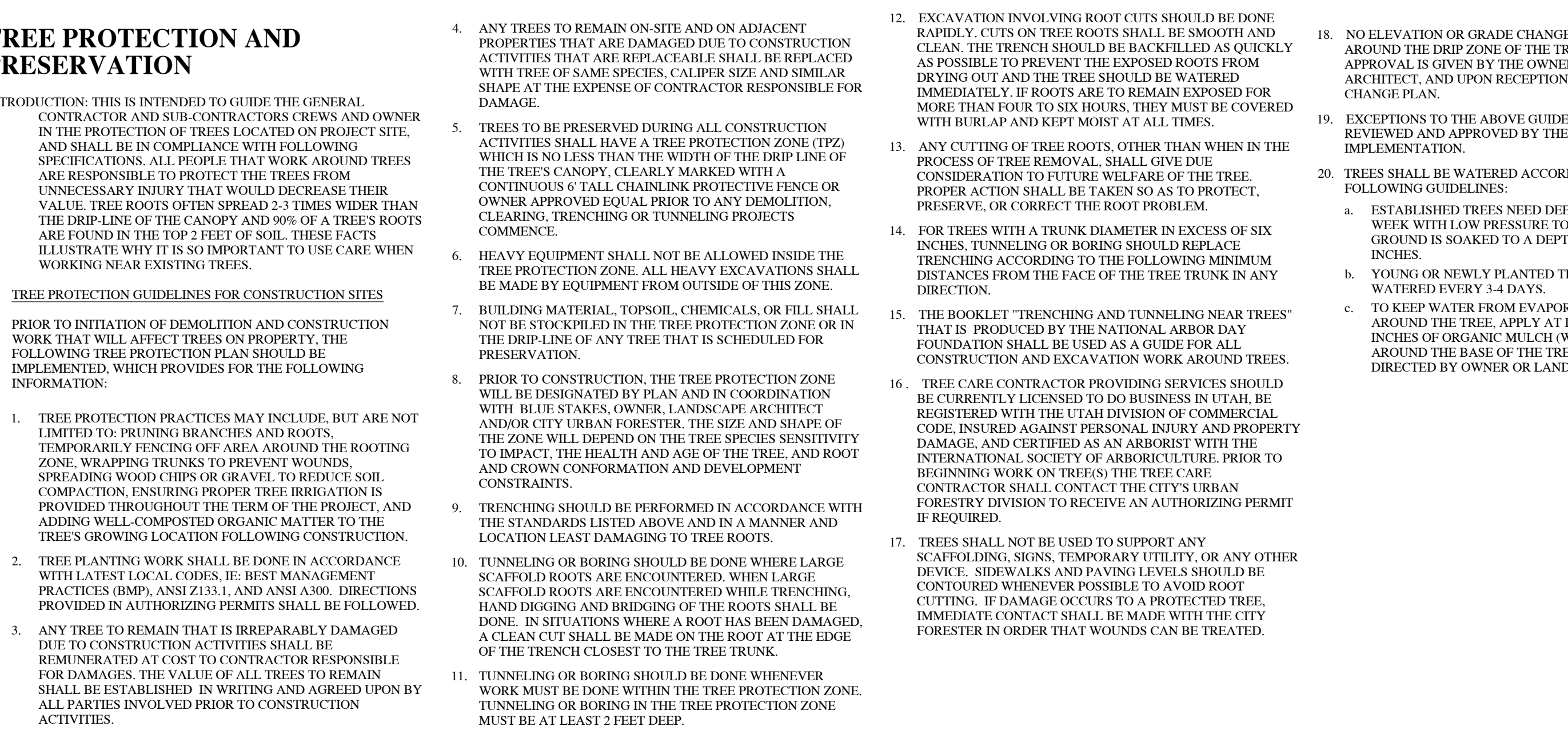
79 TREE WELL IN TURF AREA SCALE: NTS

CC



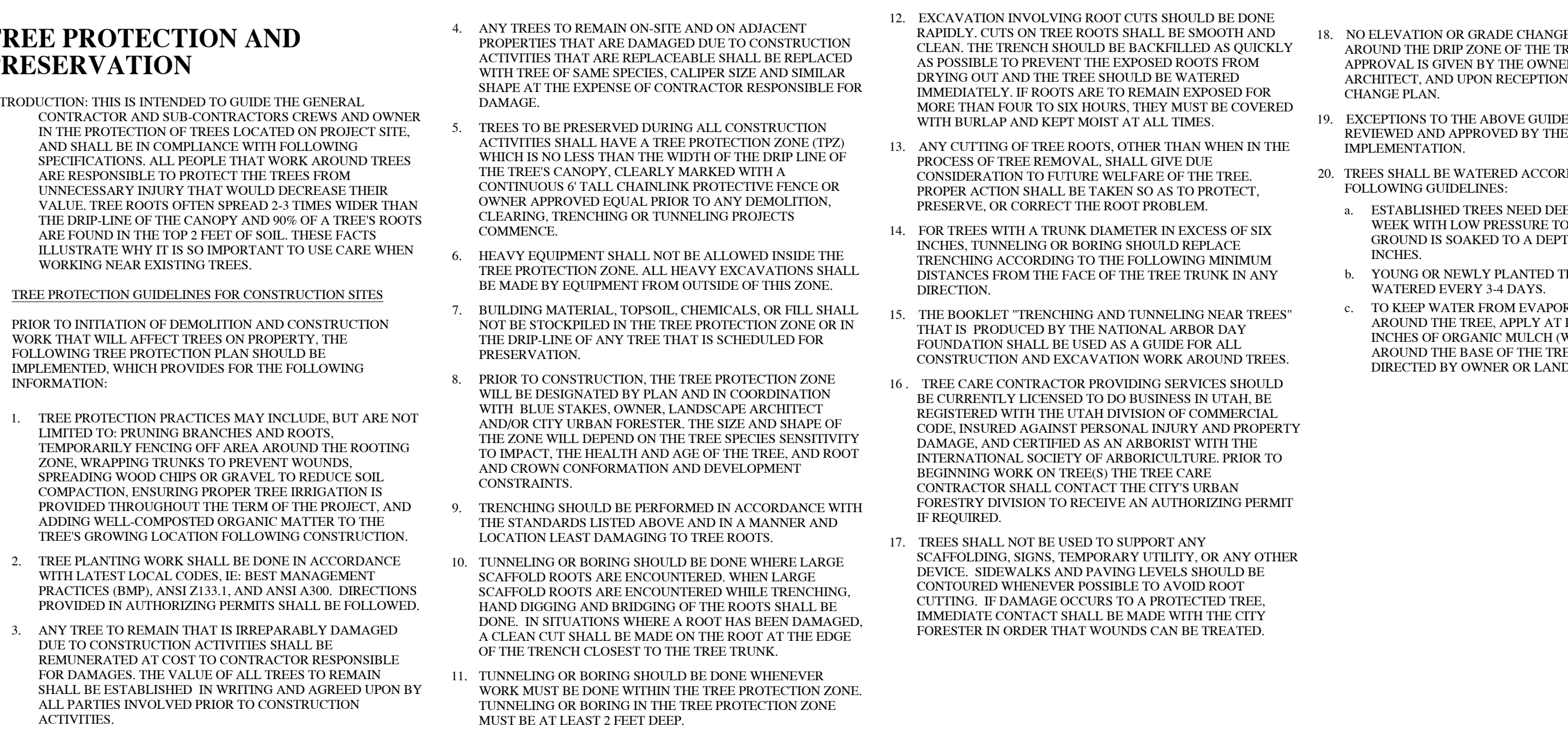
80 TREE WELL IN TURF AREA SCALE: NTS

CD



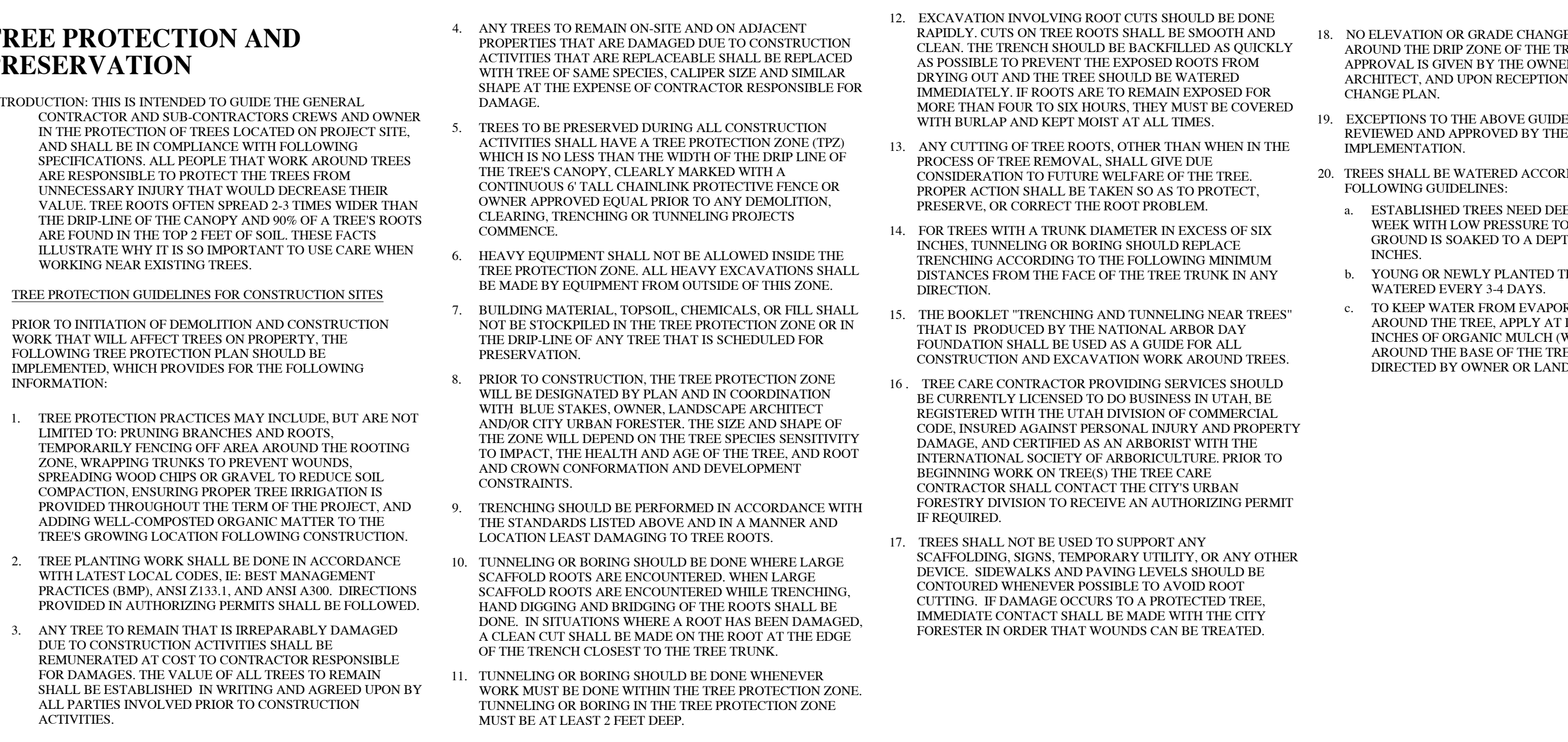
81 TREE WELL IN TURF AREA SCALE: NTS

CE



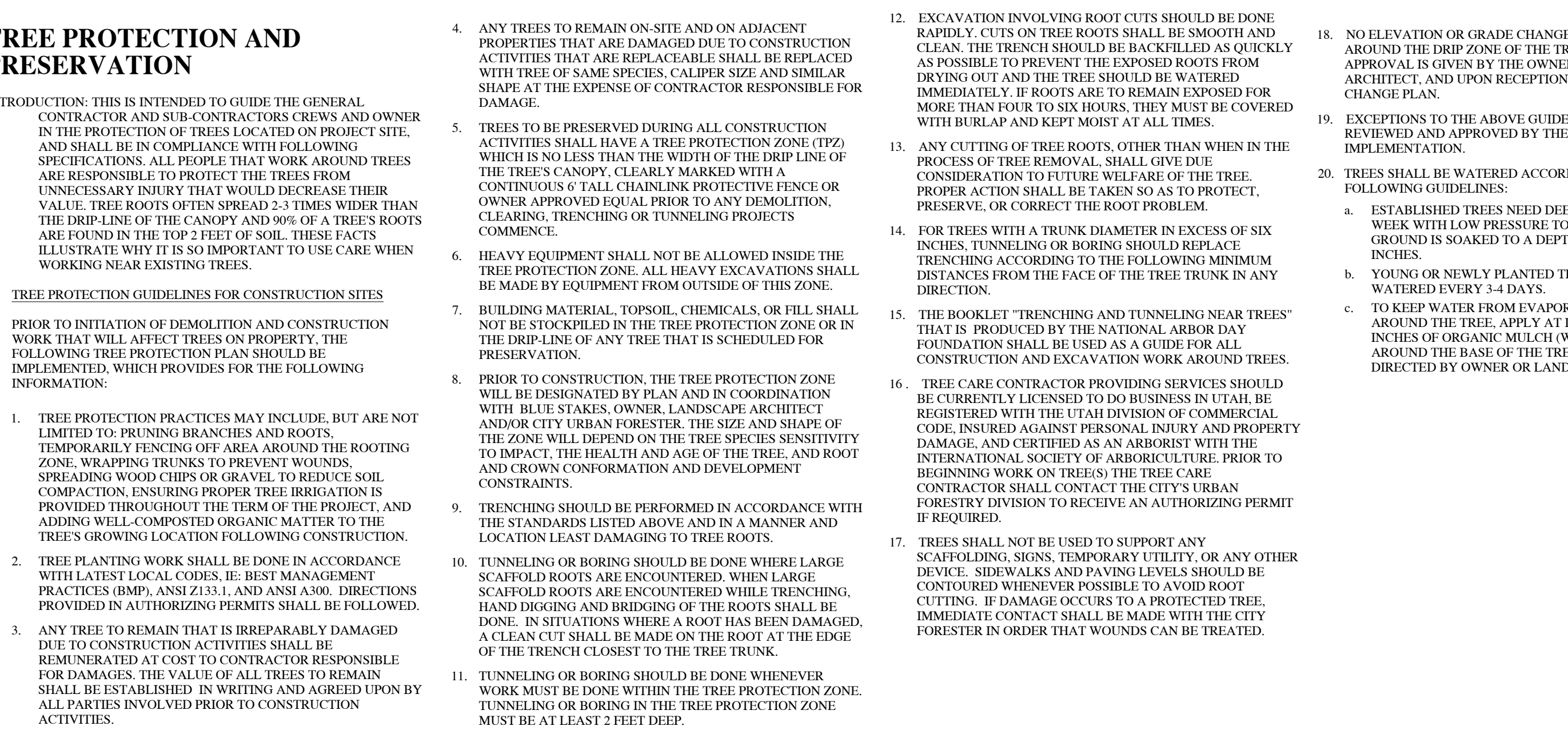
82 TREE WELL IN TURF AREA SCALE: NTS

CF



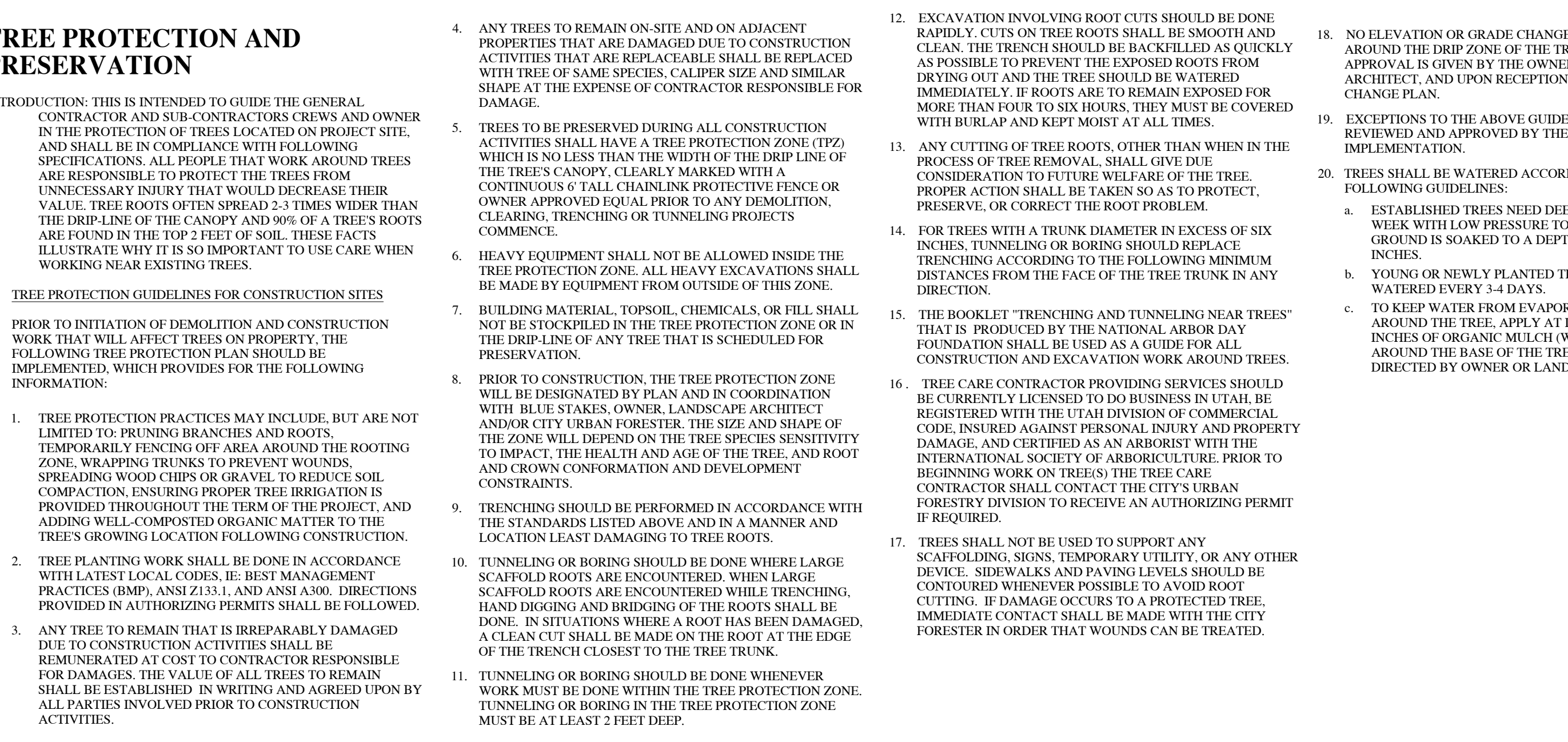
83 TREE WELL IN TURF AREA SCALE: NTS

CG

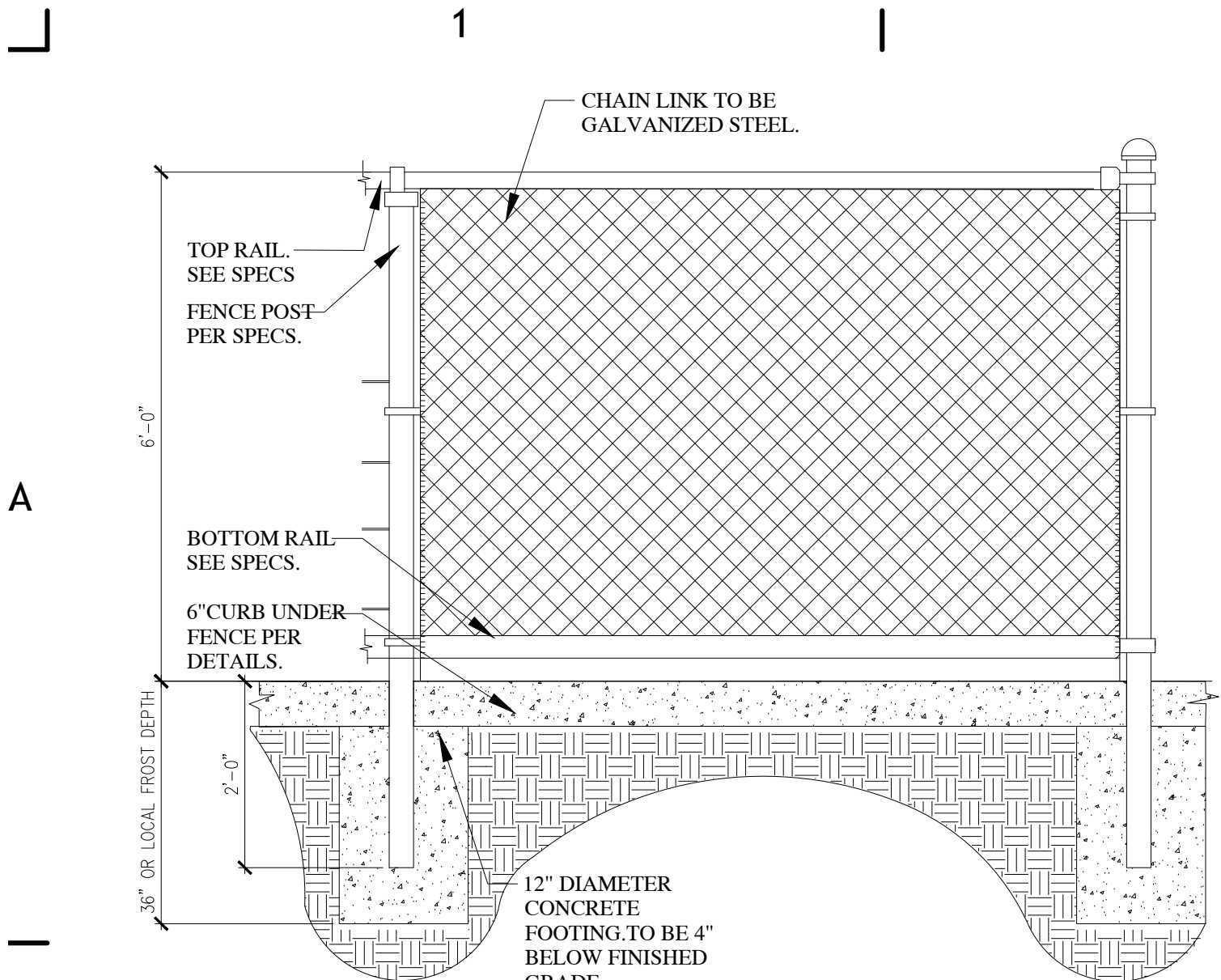


84 TREE WELL IN TURF AREA SCALE: NTS

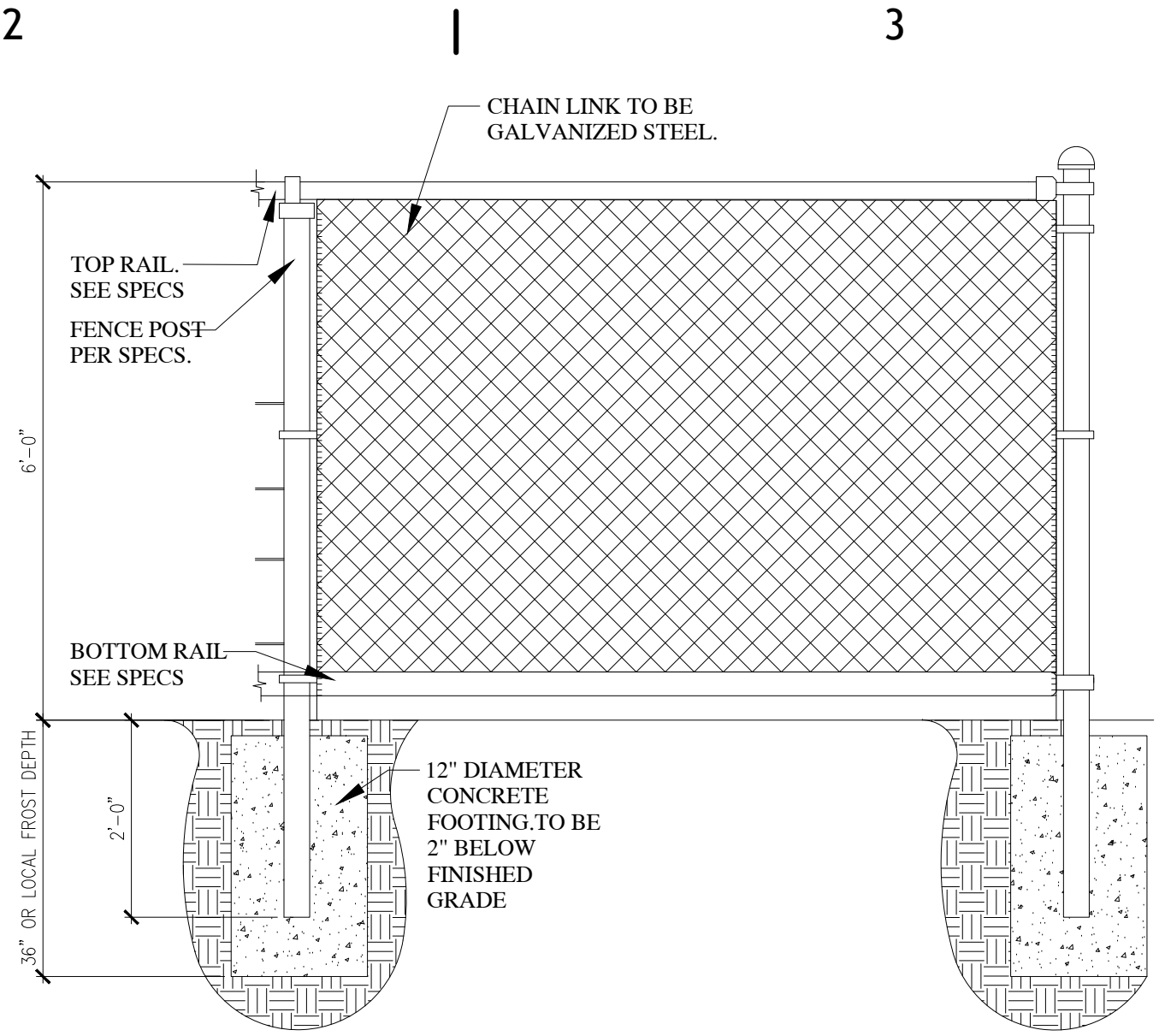
CH



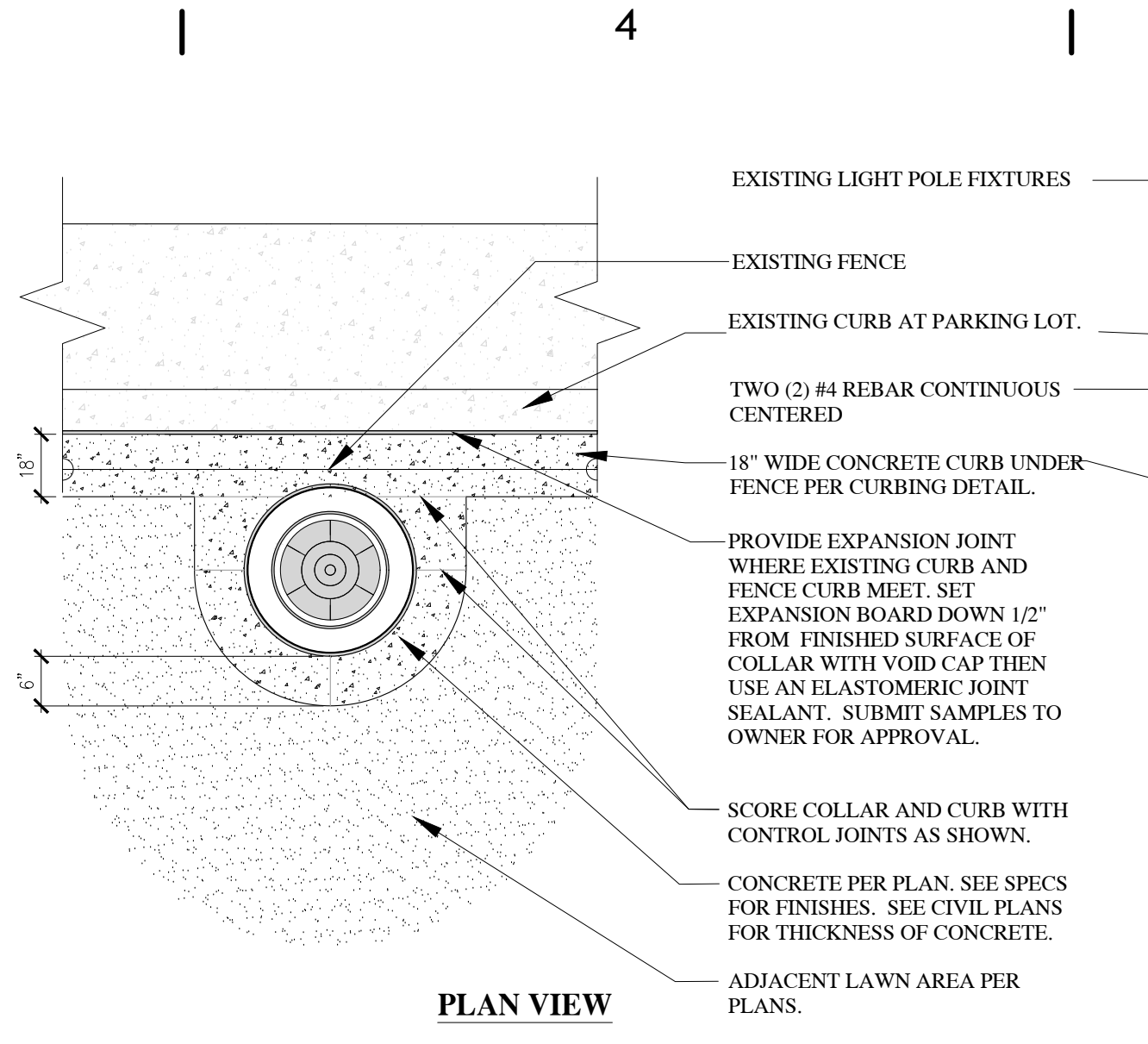




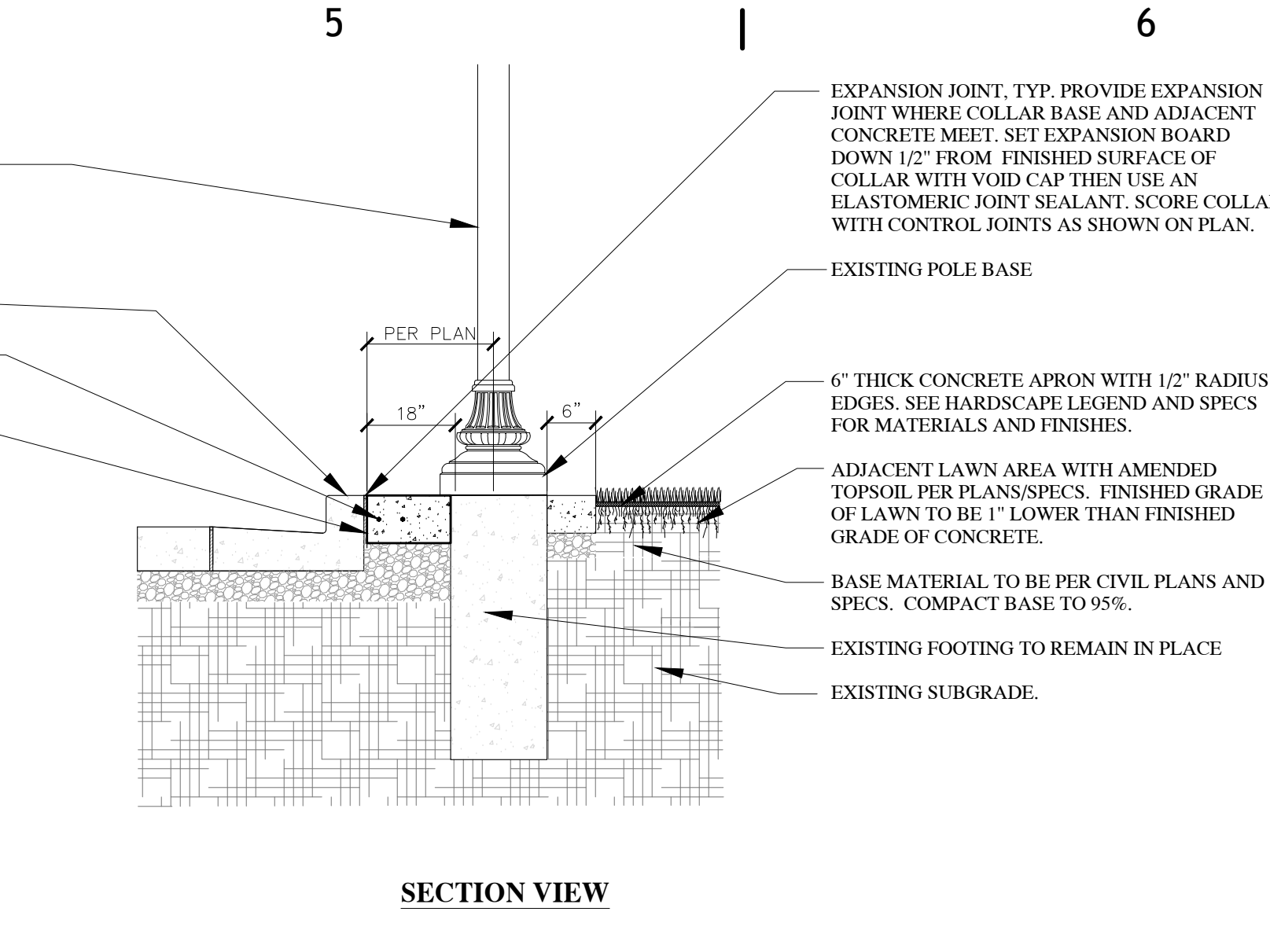
13 PERIMETER FENCE WITH CURB DETAIL SCALE: NTS



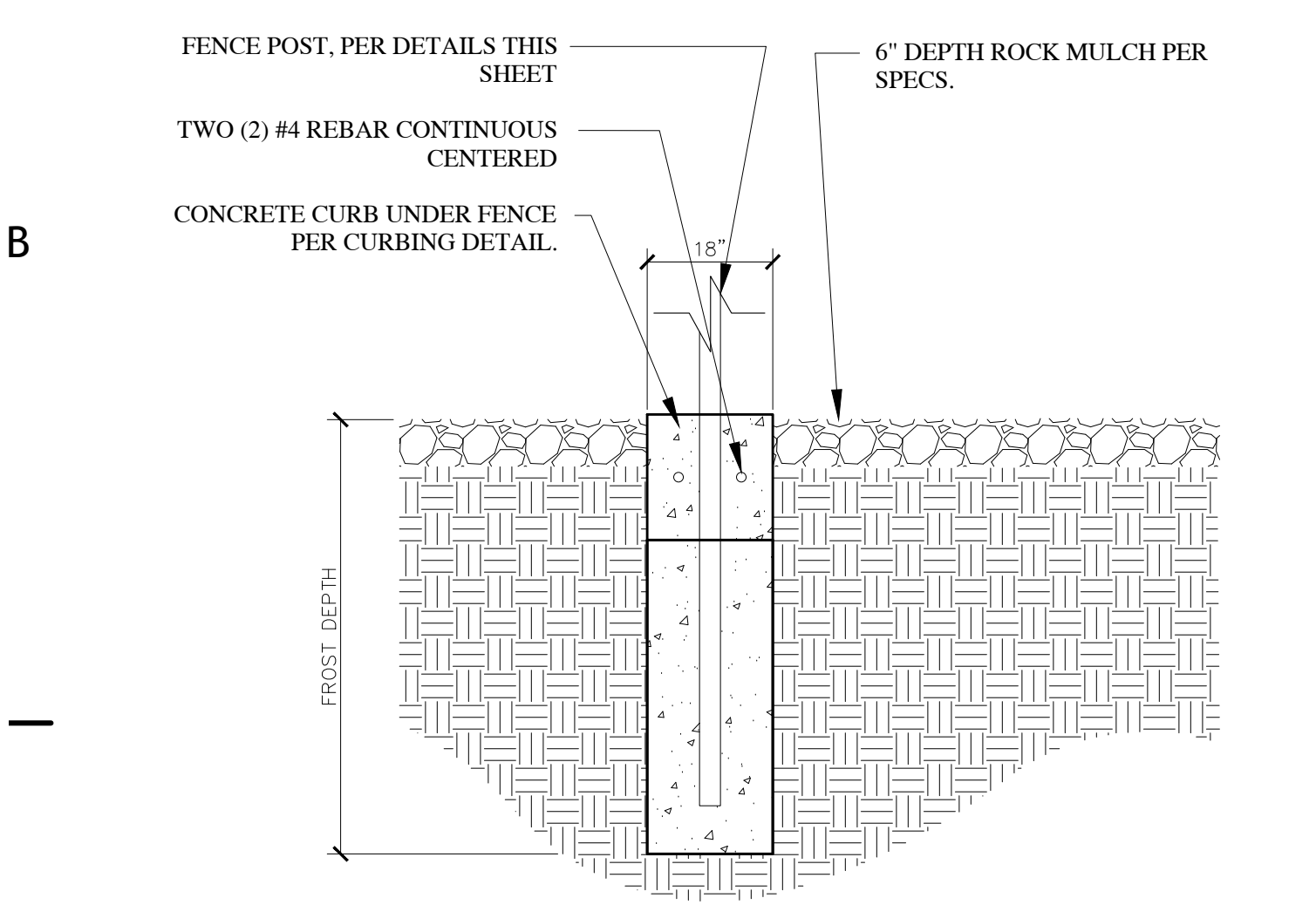
14 PERIMETER FENCE WITHOUT CURB DETAIL SCALE: NTS



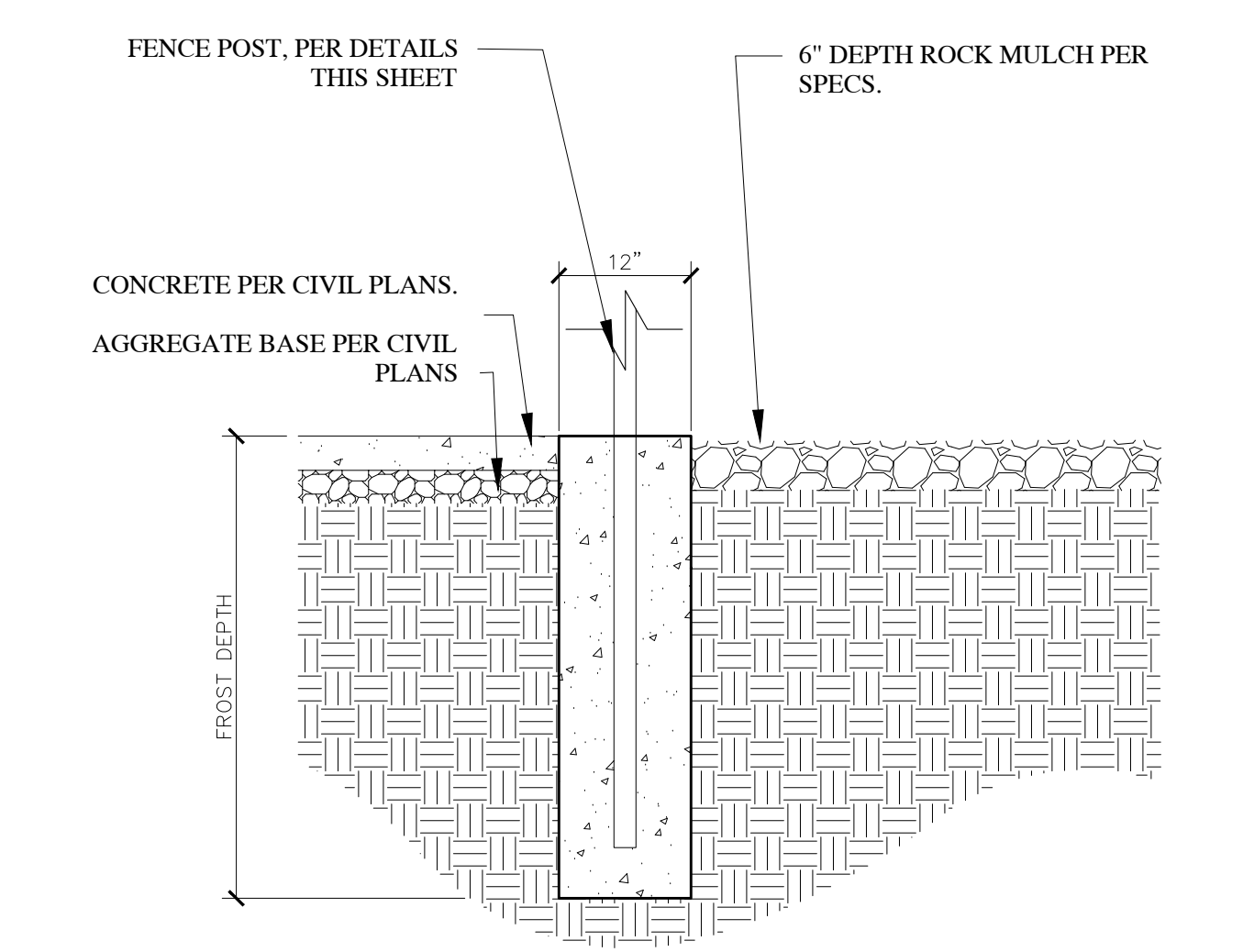
15 LIGHT POLE COLLAR AT BACK OF PARKING LOT CURBS ADJACENT TO LAWN SCALE: NTS



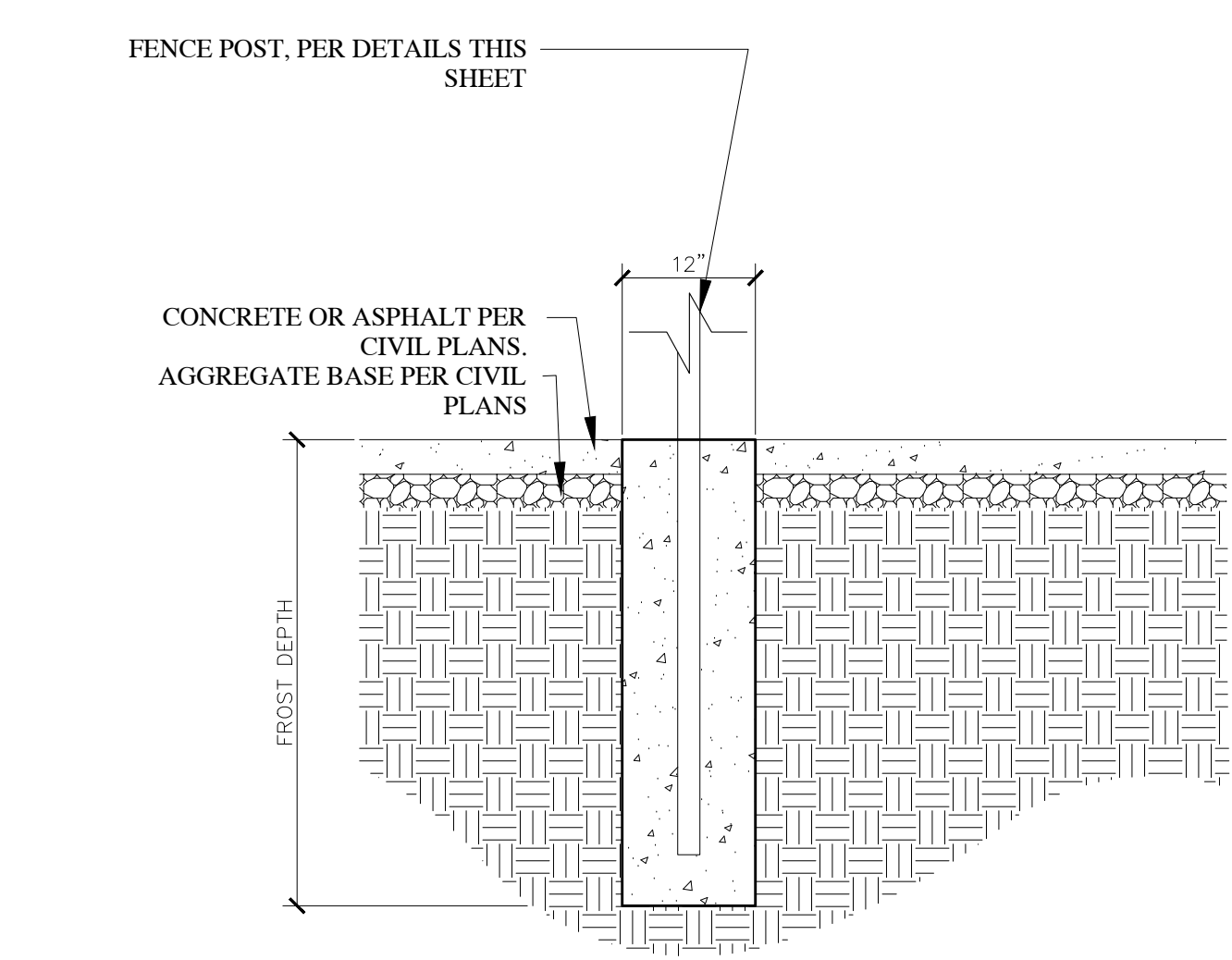
16 FENCE POST CURB ADJACENT TO CONCRETE AND LAWN SCALE: NTS



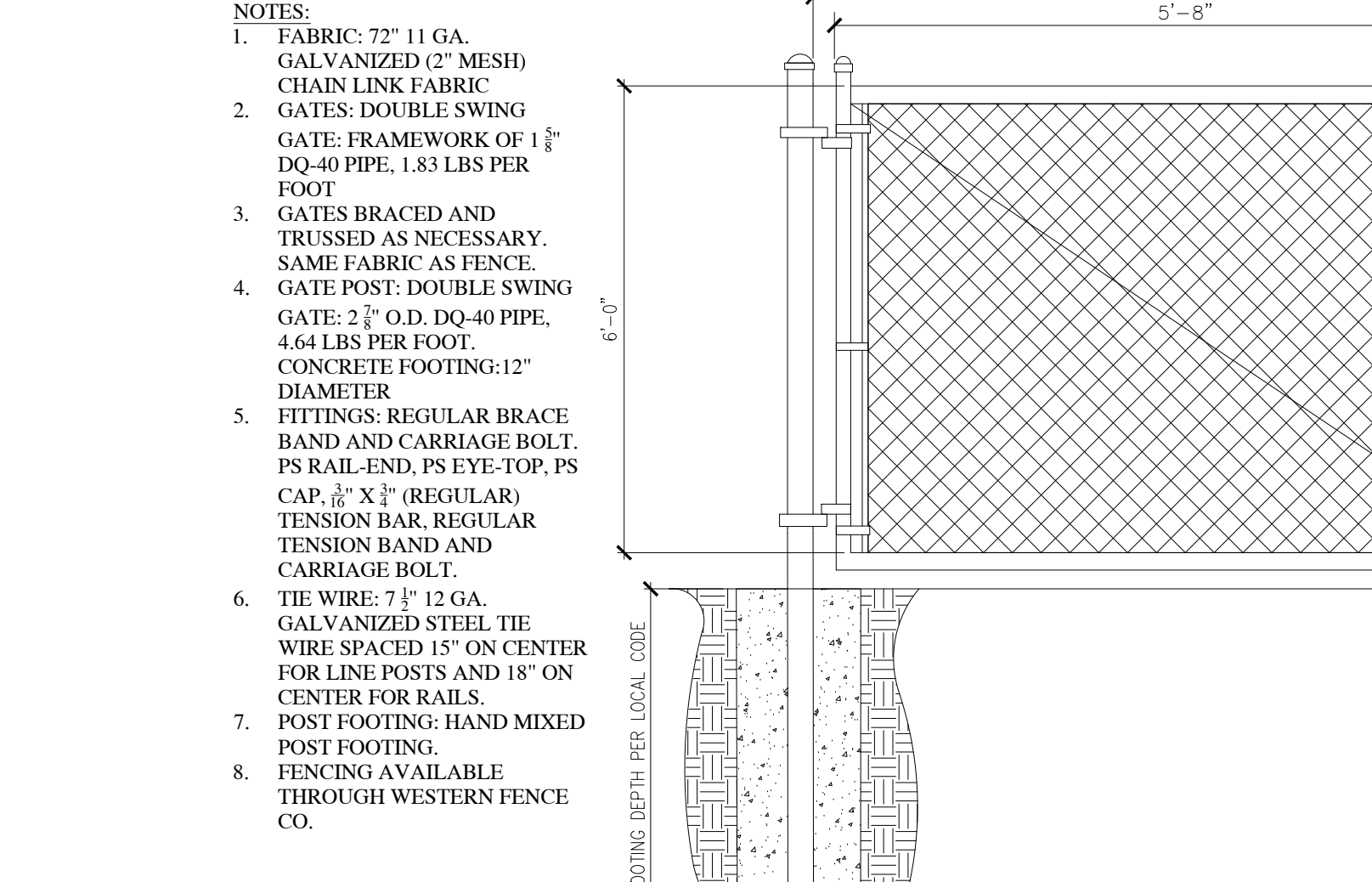
17 FENCE POST CURB ADJACENT TO ROCK SCALE: NTS



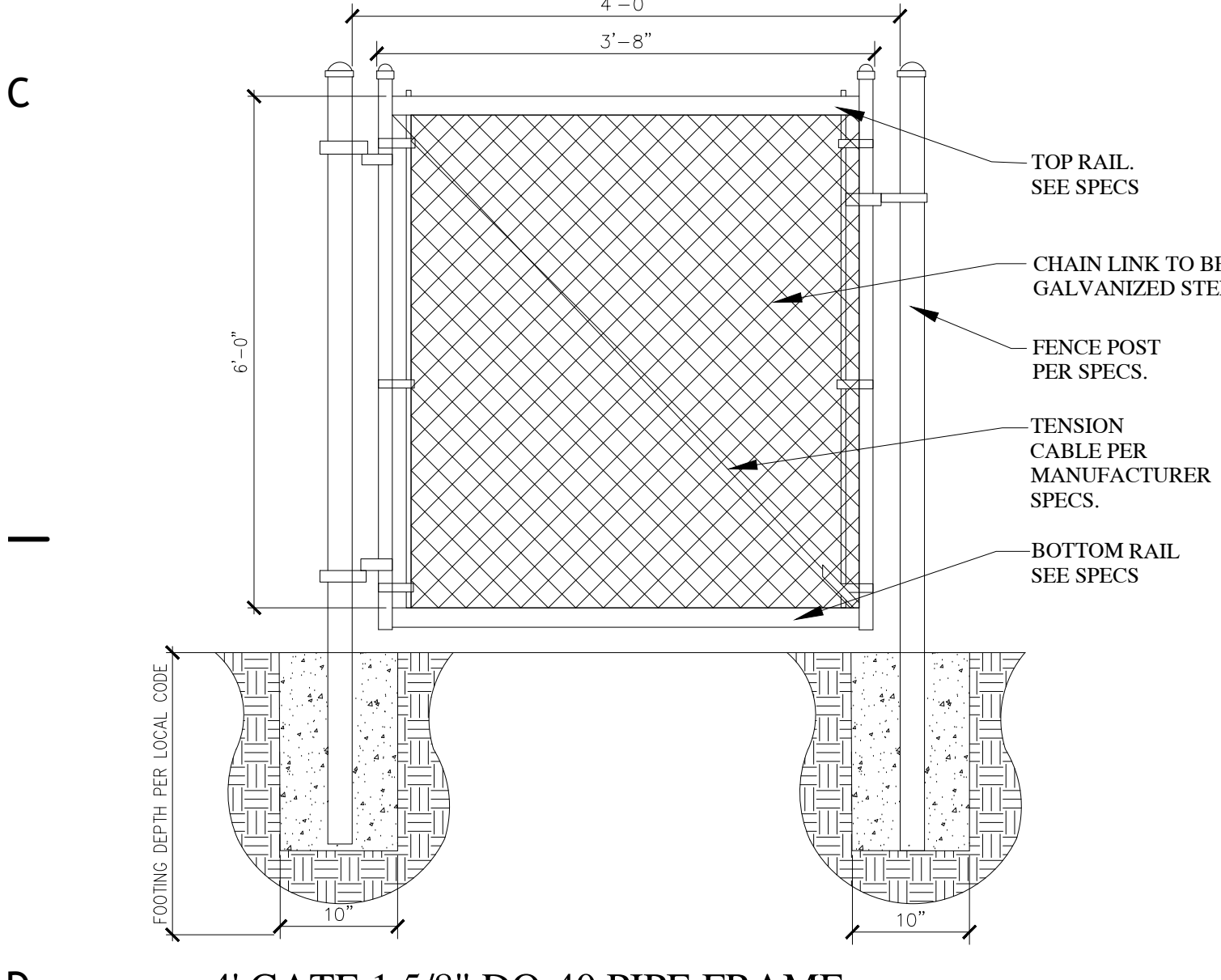
18 FENCE POST ADJACENT TO ROCK AND CONCRETE SCALE: NTS



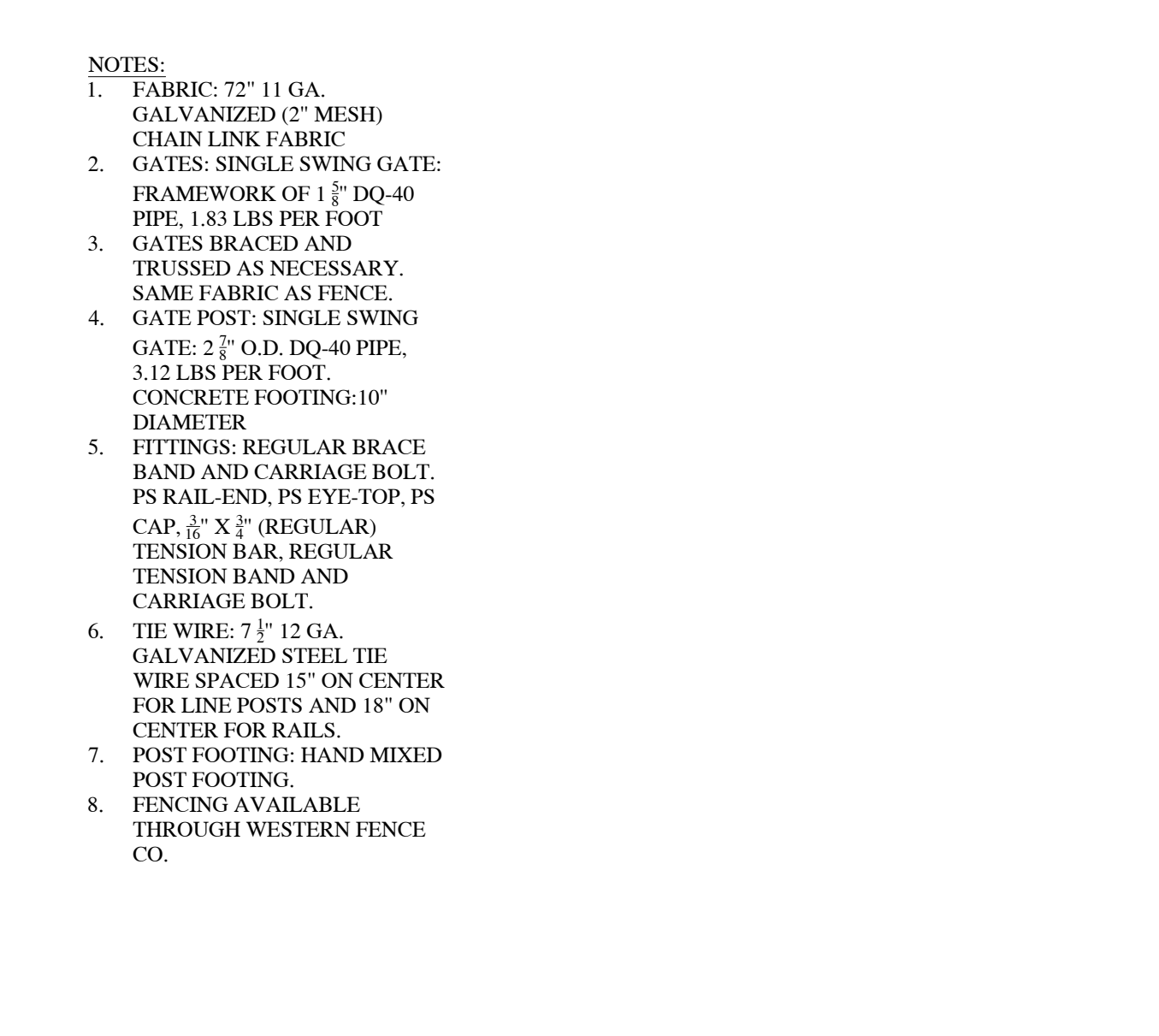
19 FENCE POST ADJACENT TO CONCRETE SCALE: NTS



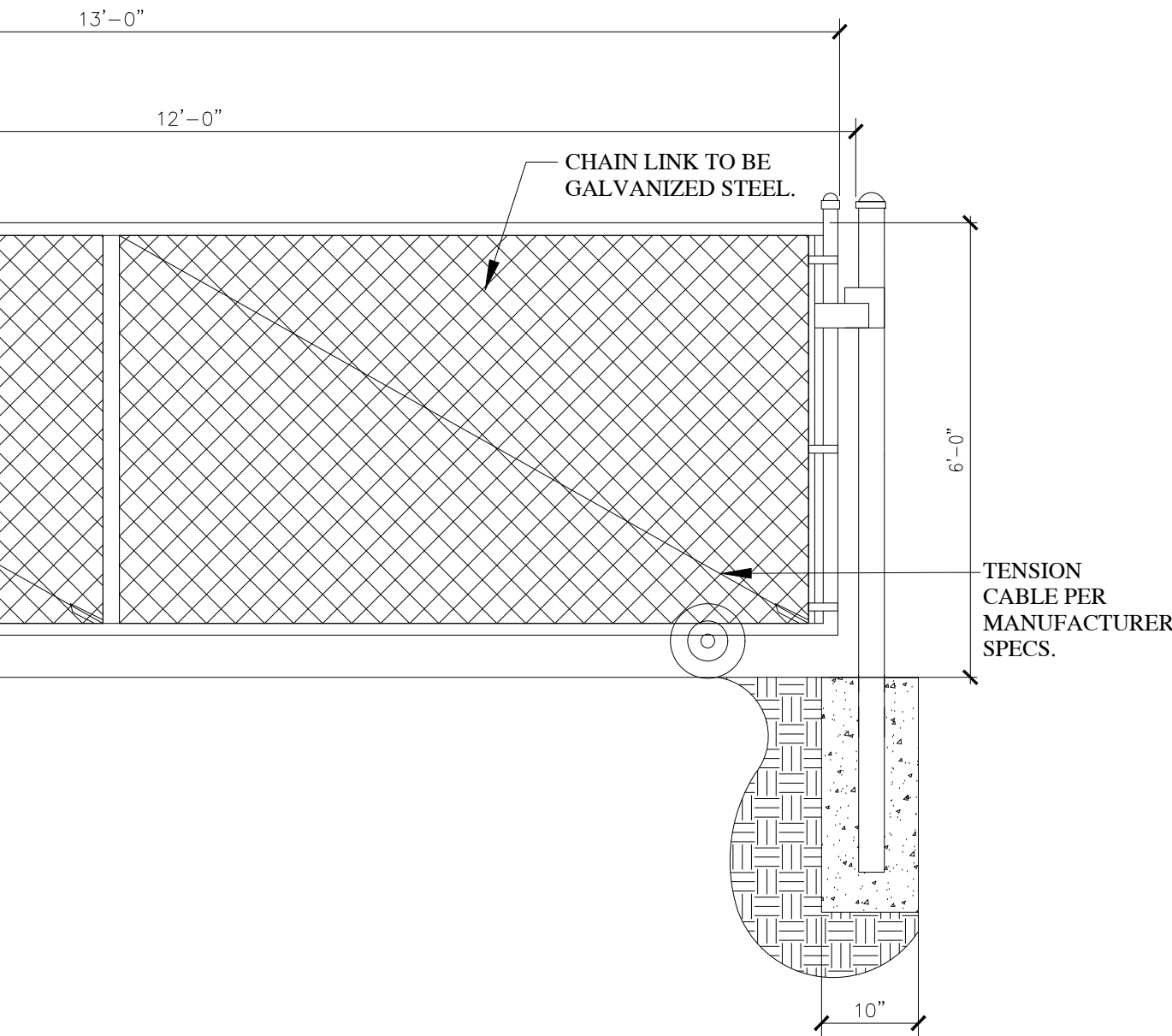
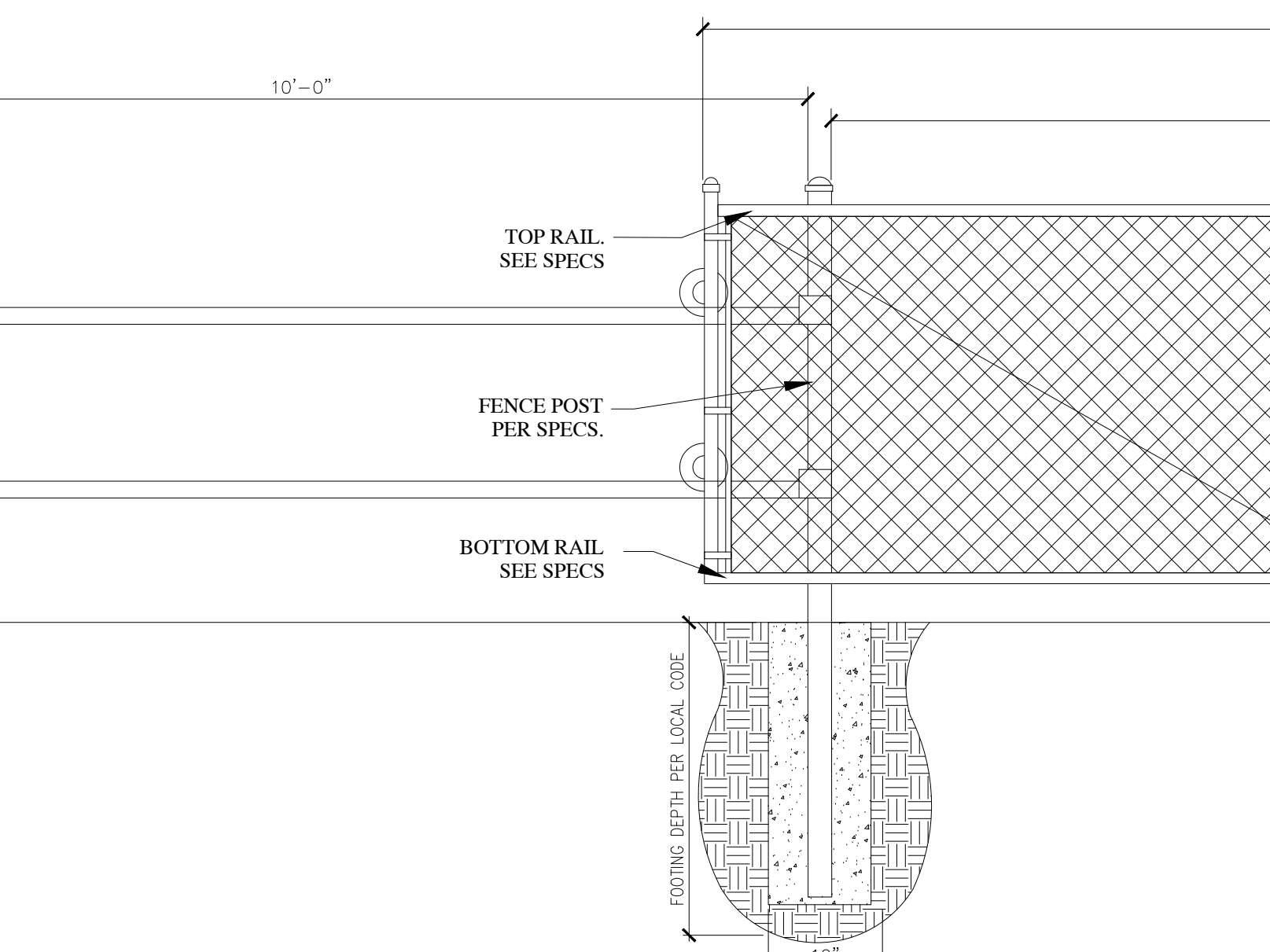
20 12' DOUBLE GATE 1 5/8" DQ-40 PIPE FRAME SCALE: NTS



21 4' GATE 1 5/8" DQ-40 PIPE FRAME SCALE: NTS



22 12' ROLLING GATE 1 5/8" DQ-40 PIPE FRAME SCALE: NTS



24 12' ROLLING GATE 1 5/8" DQ-40 PIPE FRAME SCALE: NTS

233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

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PROFESSIONAL STAMP

LANDSCAPE ARCHITECT  
#4884514  
Cory B. Whiting  
UTAH  
06/2023

CONSULTANT INFORMATION

**In Site DESIGN GROUP**  
Landscape Architecture Land Planning  
17 North 100 West American Fork, Utah 84002  
(801) 796-5043 www.in-sitedesigngroup.com

OWNER INFORMATION

**CANYONS SCHOOL DISTRICT**

PROJECT TITLE AND ADDRESS

**CCHS FIELDHOUSE & SOCCER FIELD**

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEP 12, 2024  
PROJECT #: 24-013  
PM / PA: CBW  
PIC: HAH

DRAWING SET STATUS

**BID SET**

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

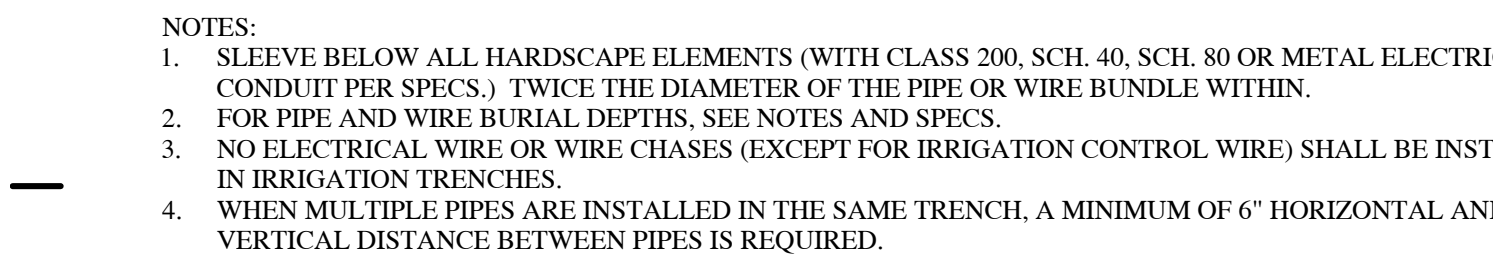
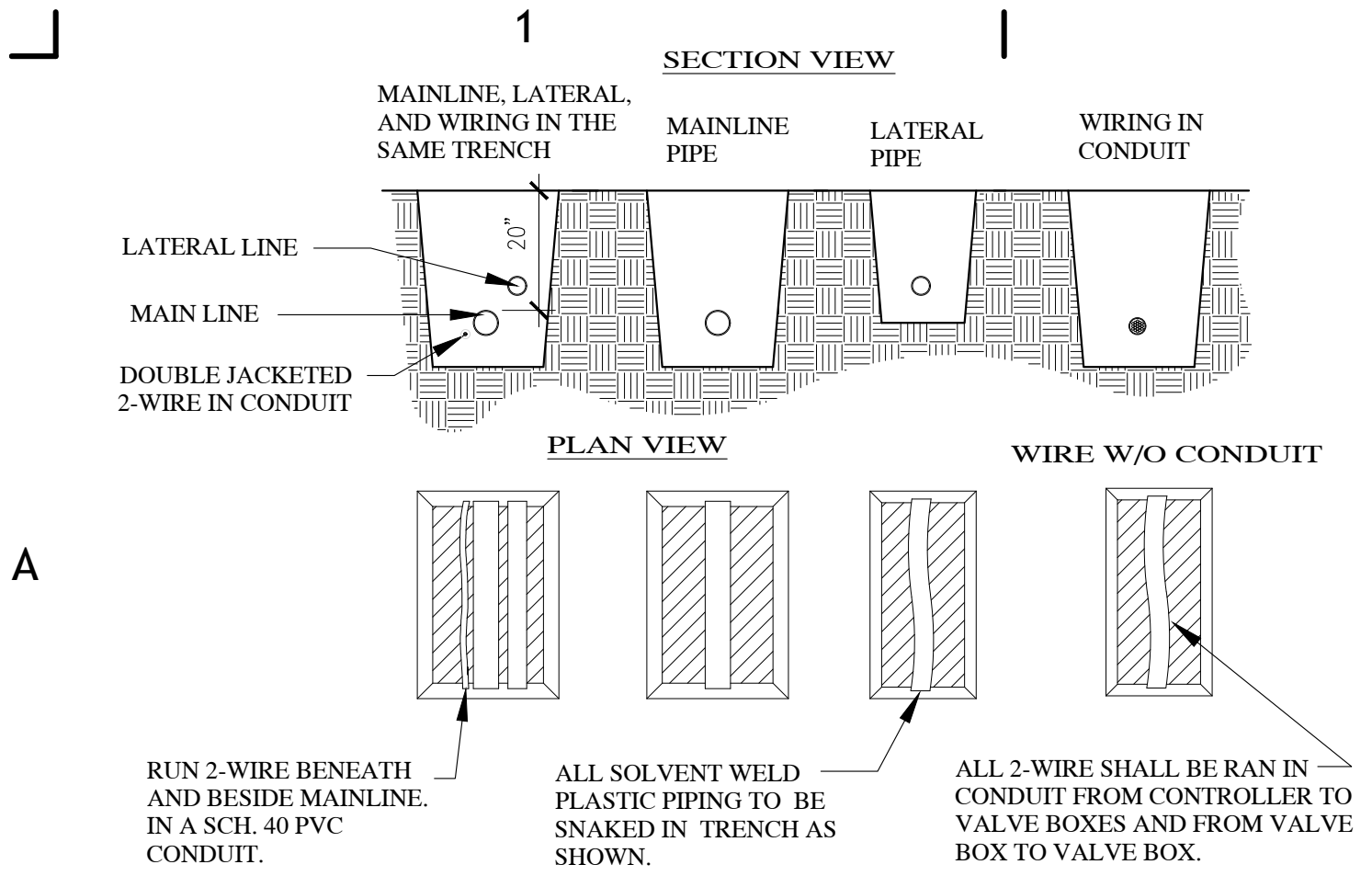
SHEET TITLE

**FENCING DETAILS**

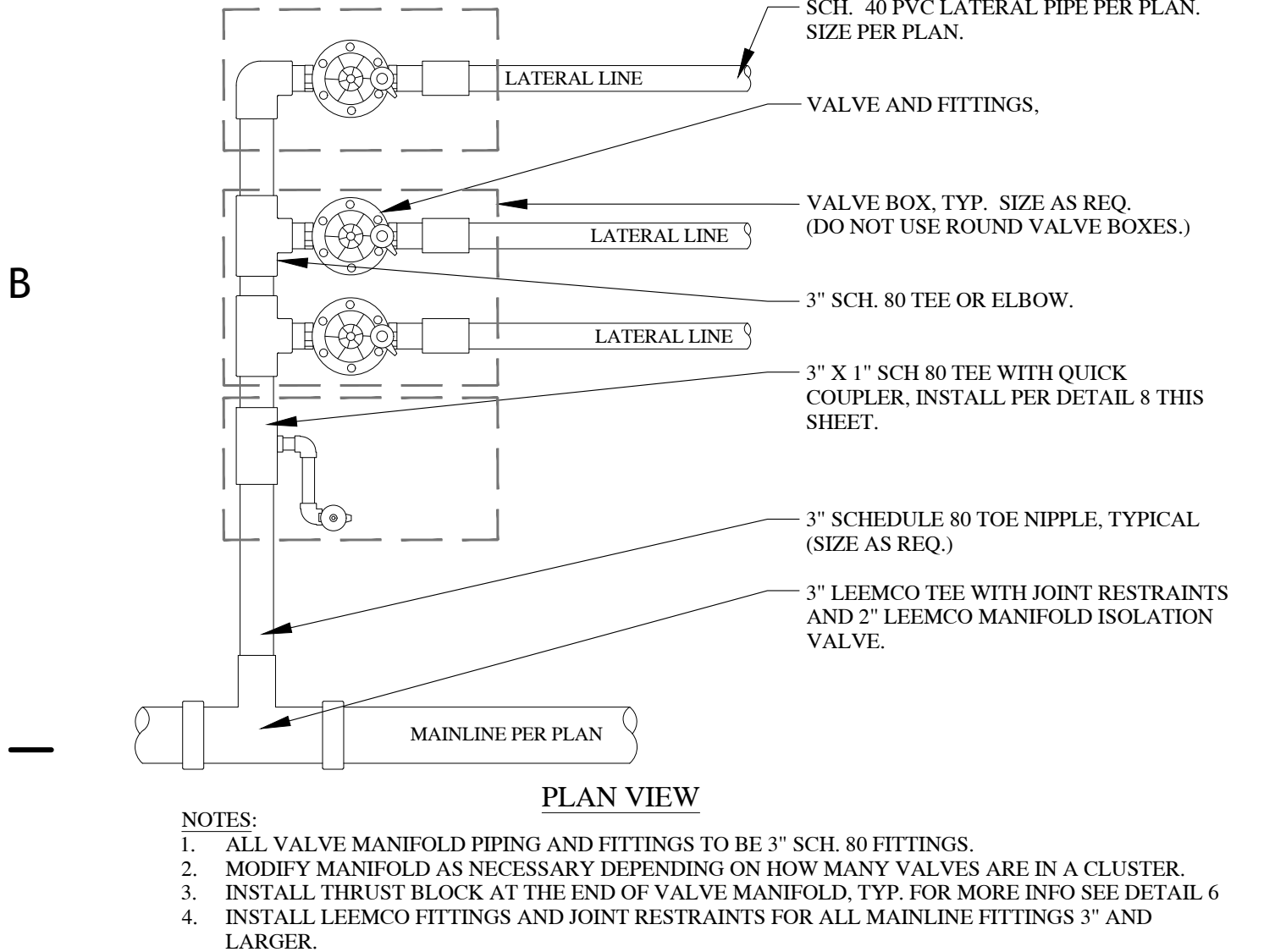
SHEET NUMBER  
**LS301**

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OR REPRODUCTION  
WITHOUT WRITTEN PERMISSION  
OF THE ARCHITECT

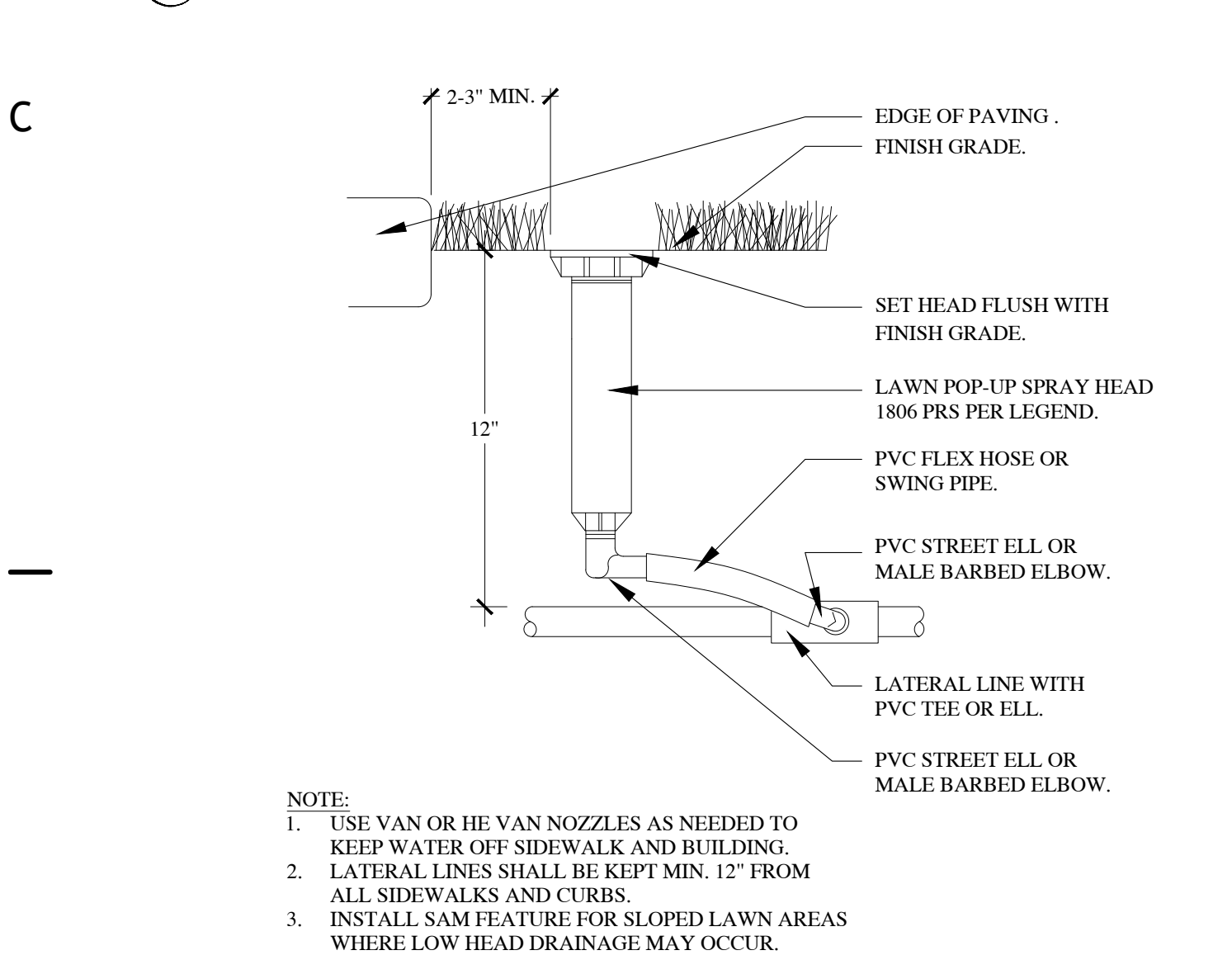




1 PIPE, WIRE, AND TRENCH SCALE: NTS



2 VALVE MANIFOLD WITH LEEMCO FITTINGS AND JOINT RESTRAINTS 1" = 1'-0"



3 POP-UP SPRAY SCALE: NTS



4 ROTOR HEAD SCALE: NTS



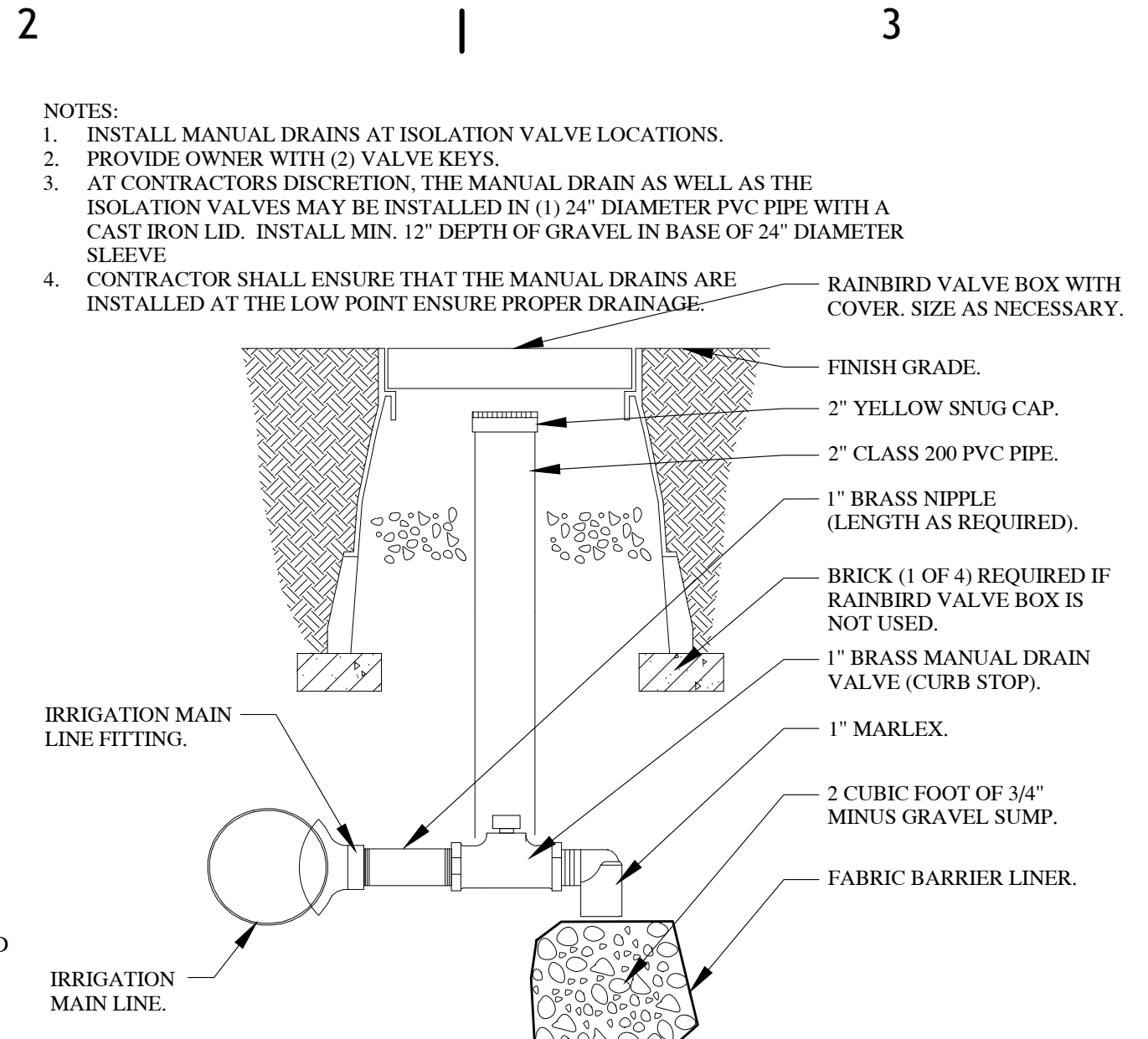
5 VALVE ASSEMBLY SCALE: NTS



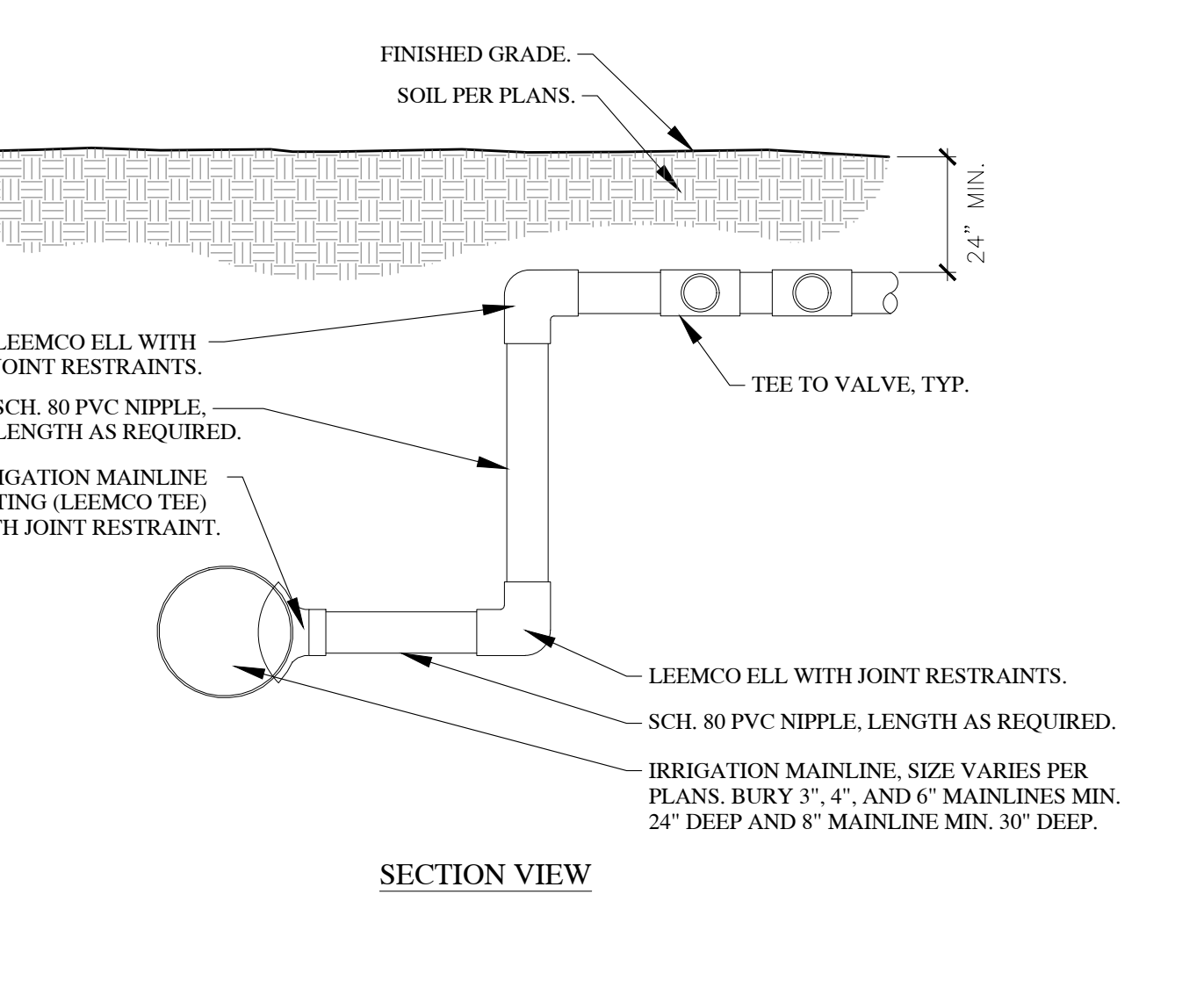
6 CONTROL VALVE SCALE: NTS



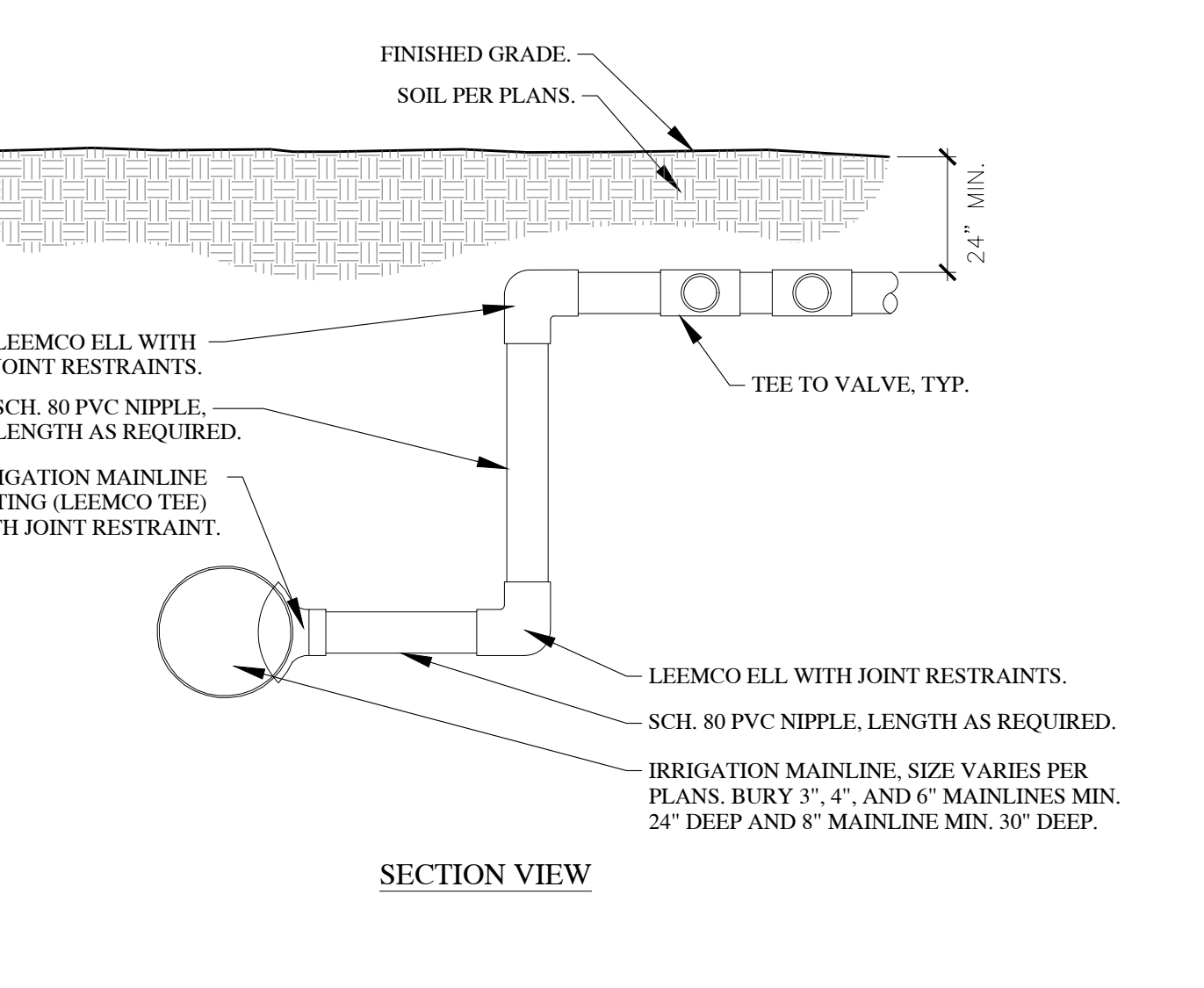
7 CALSENSE 2-WIRE 2-STATION DECODER SCALE: NTS



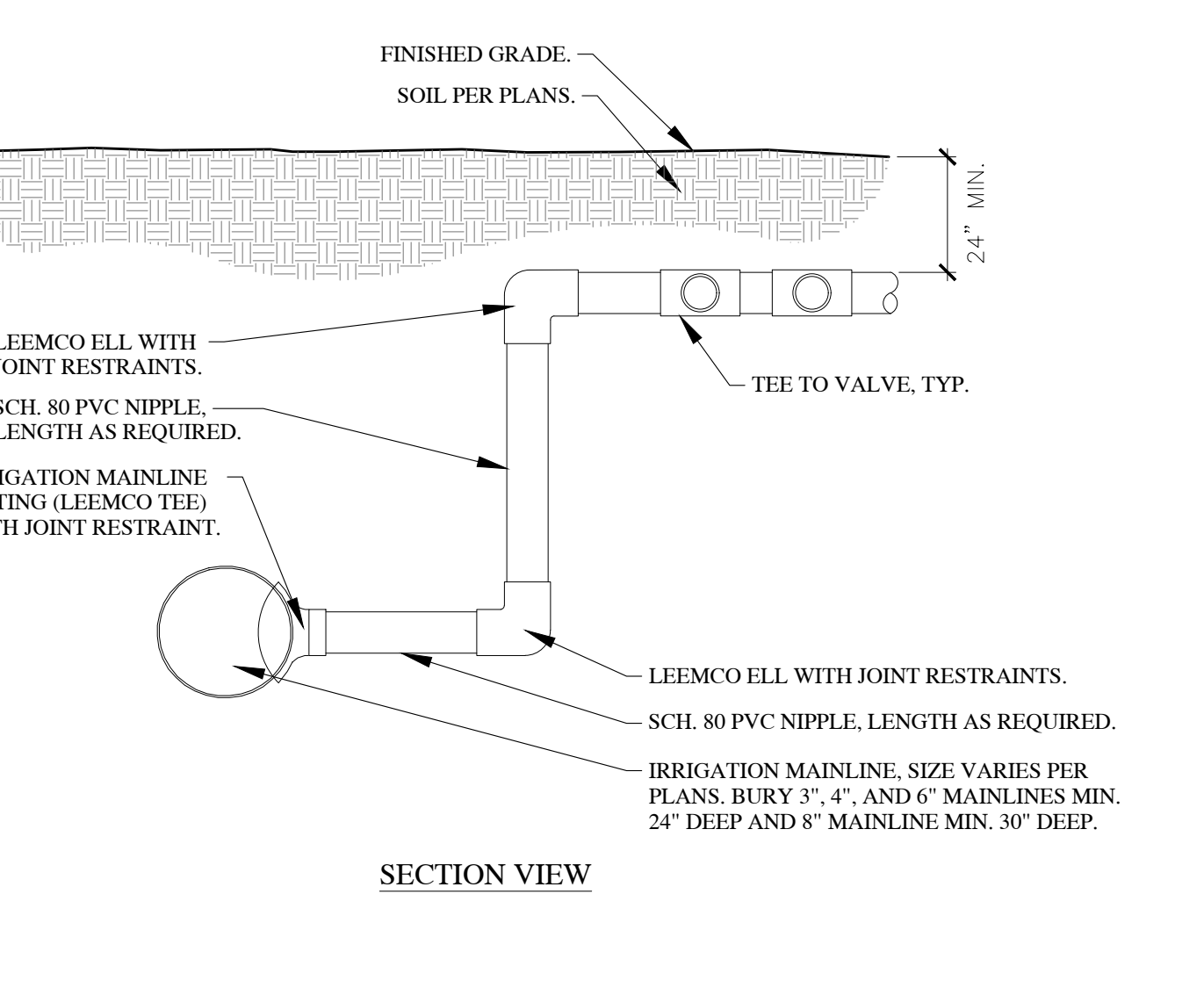
8 SLEEVING SCALE: NTS



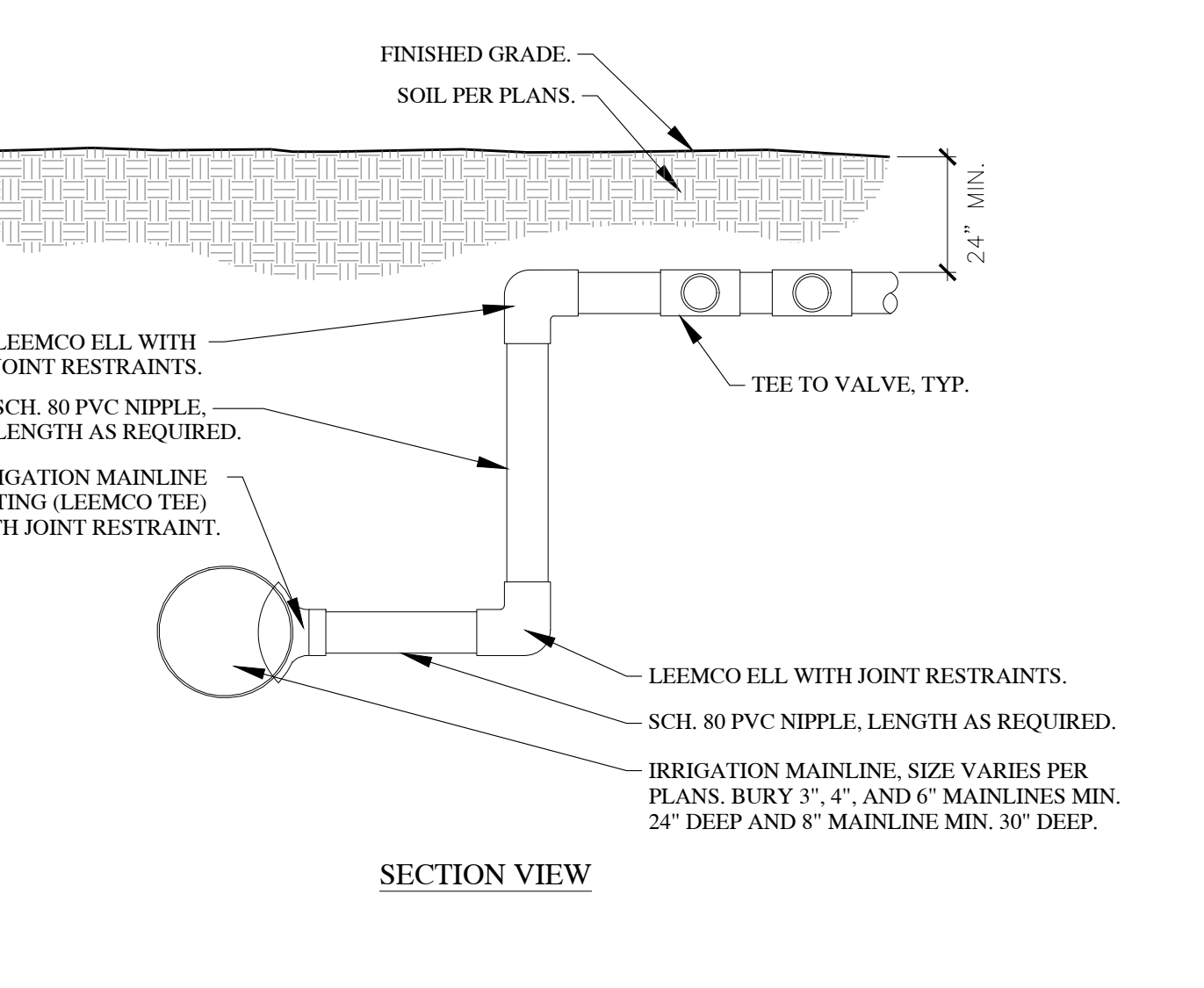
9 TRENCH SECTION SCALE: NTS



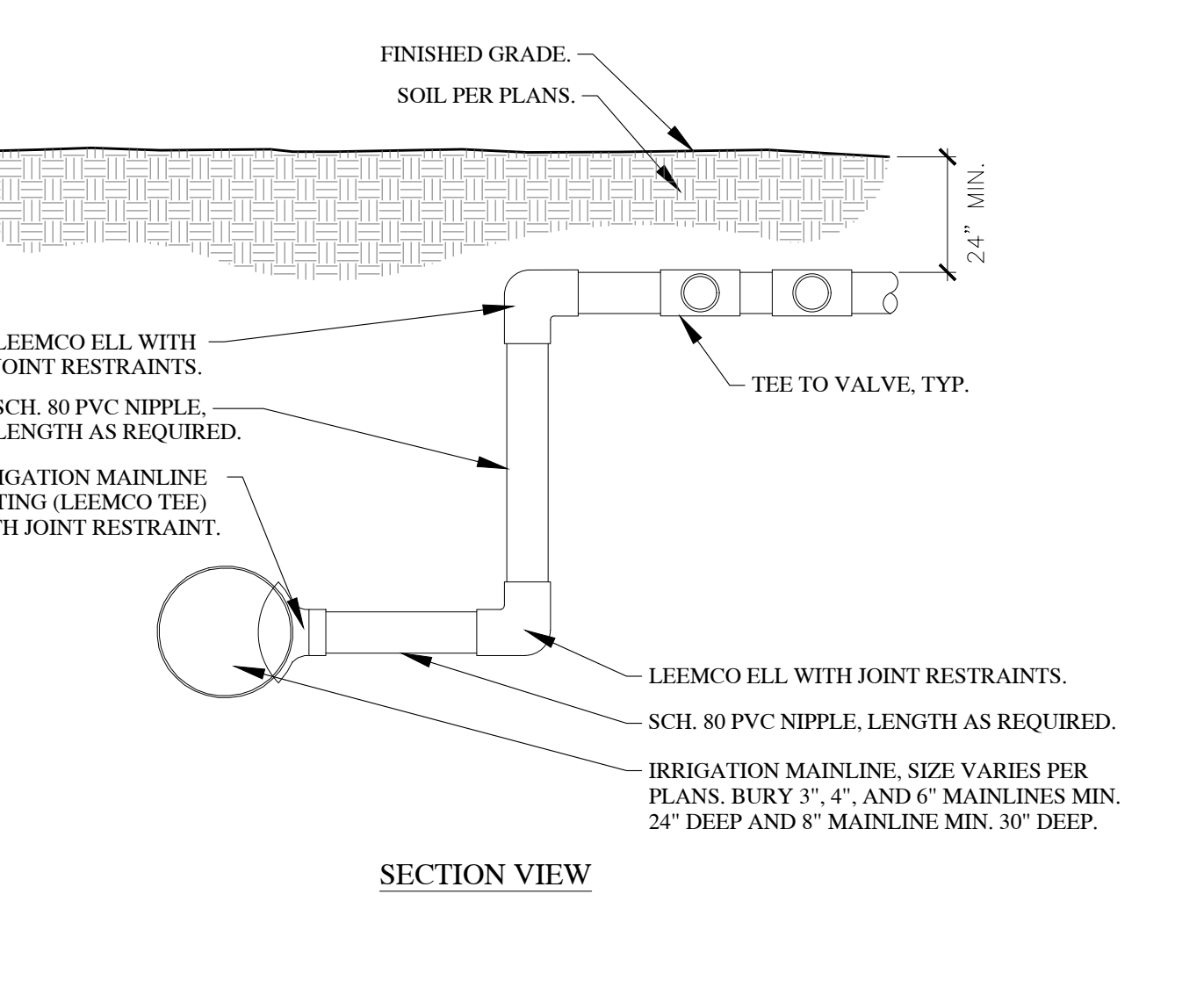
10 MAINLINE GATE VALVE SCALE: NTS



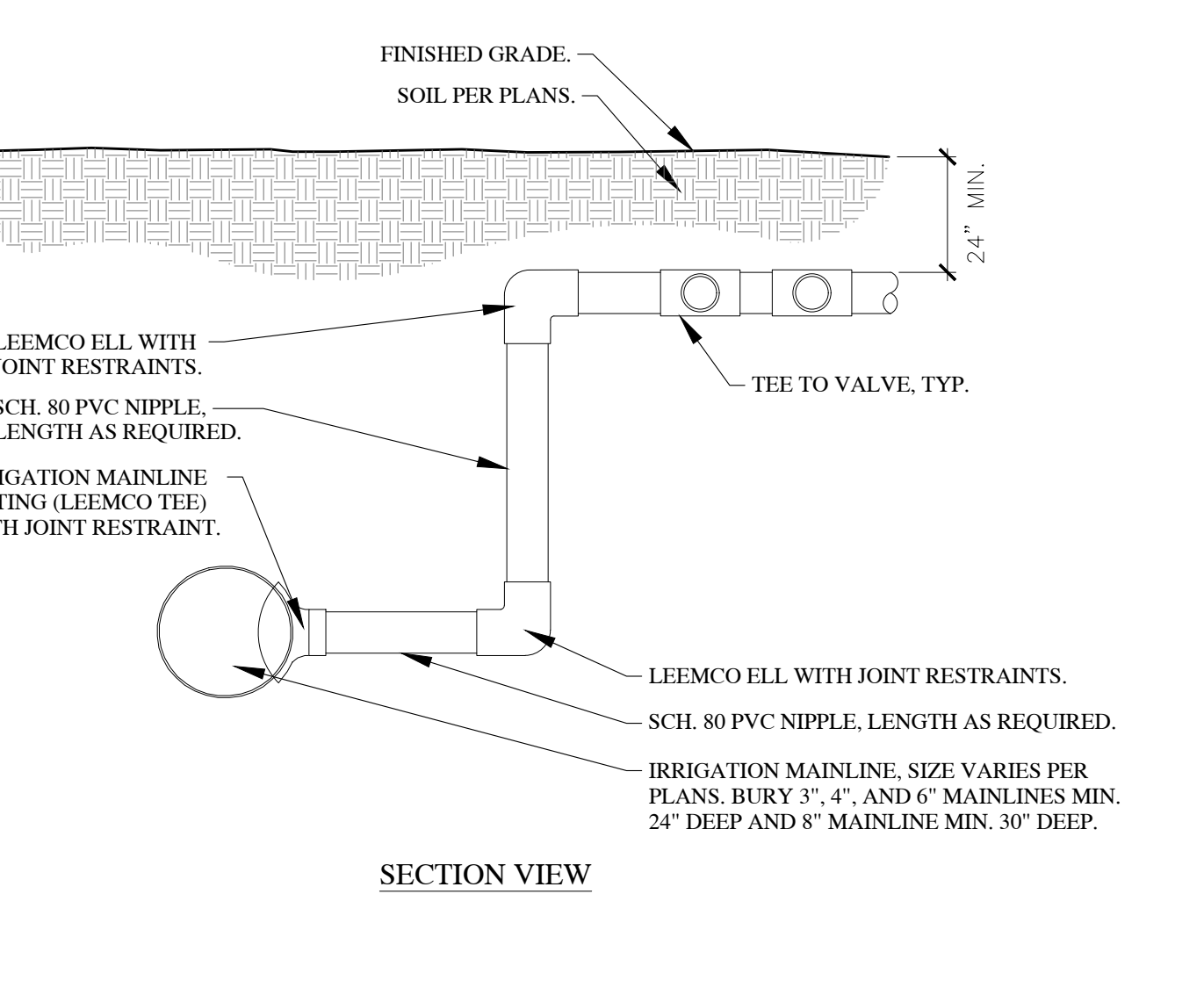
11 JOINT RESTRAINT CHART 1" = 1'-0"



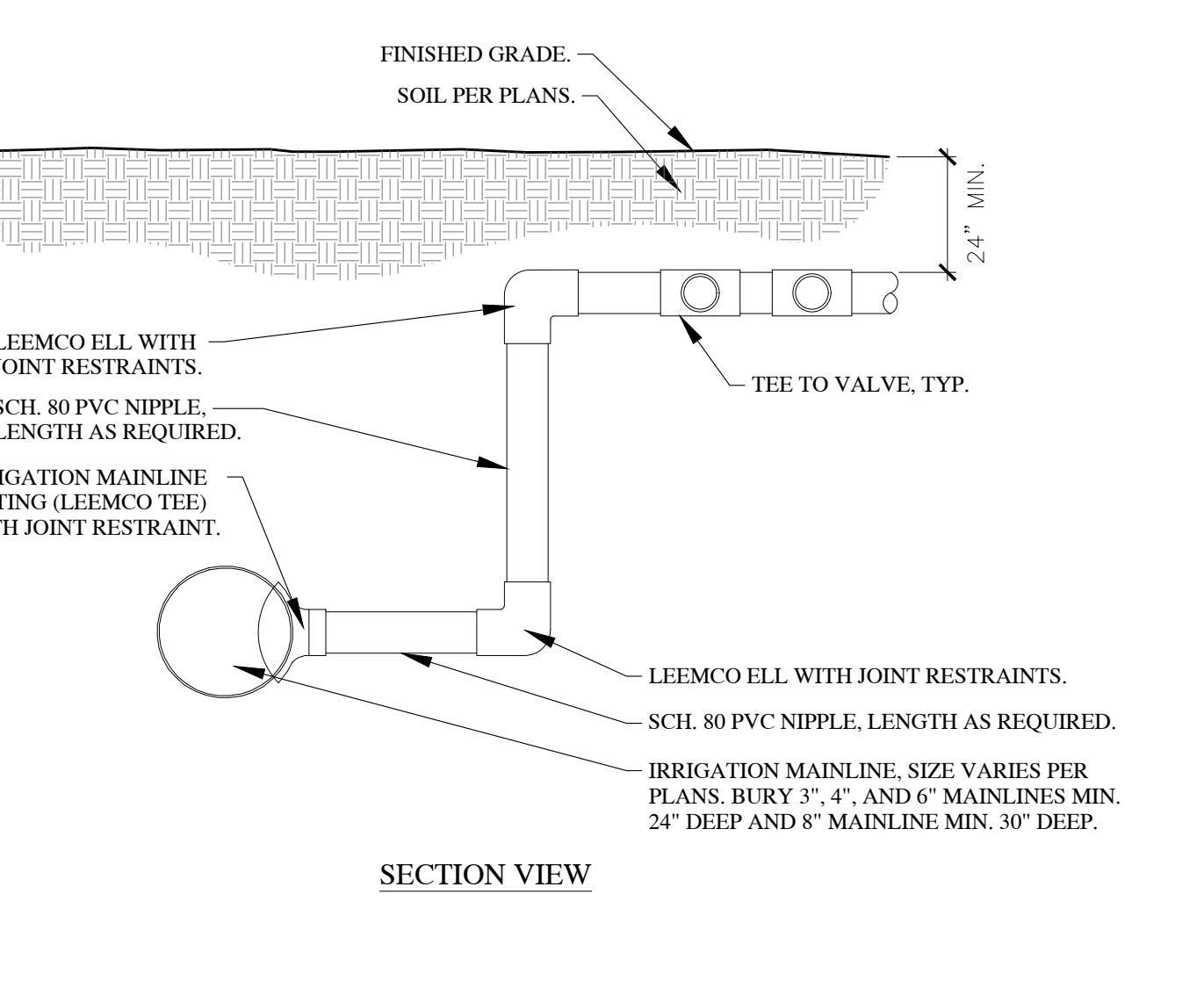
12 DISTANCE CHART 1" = 1'-0"



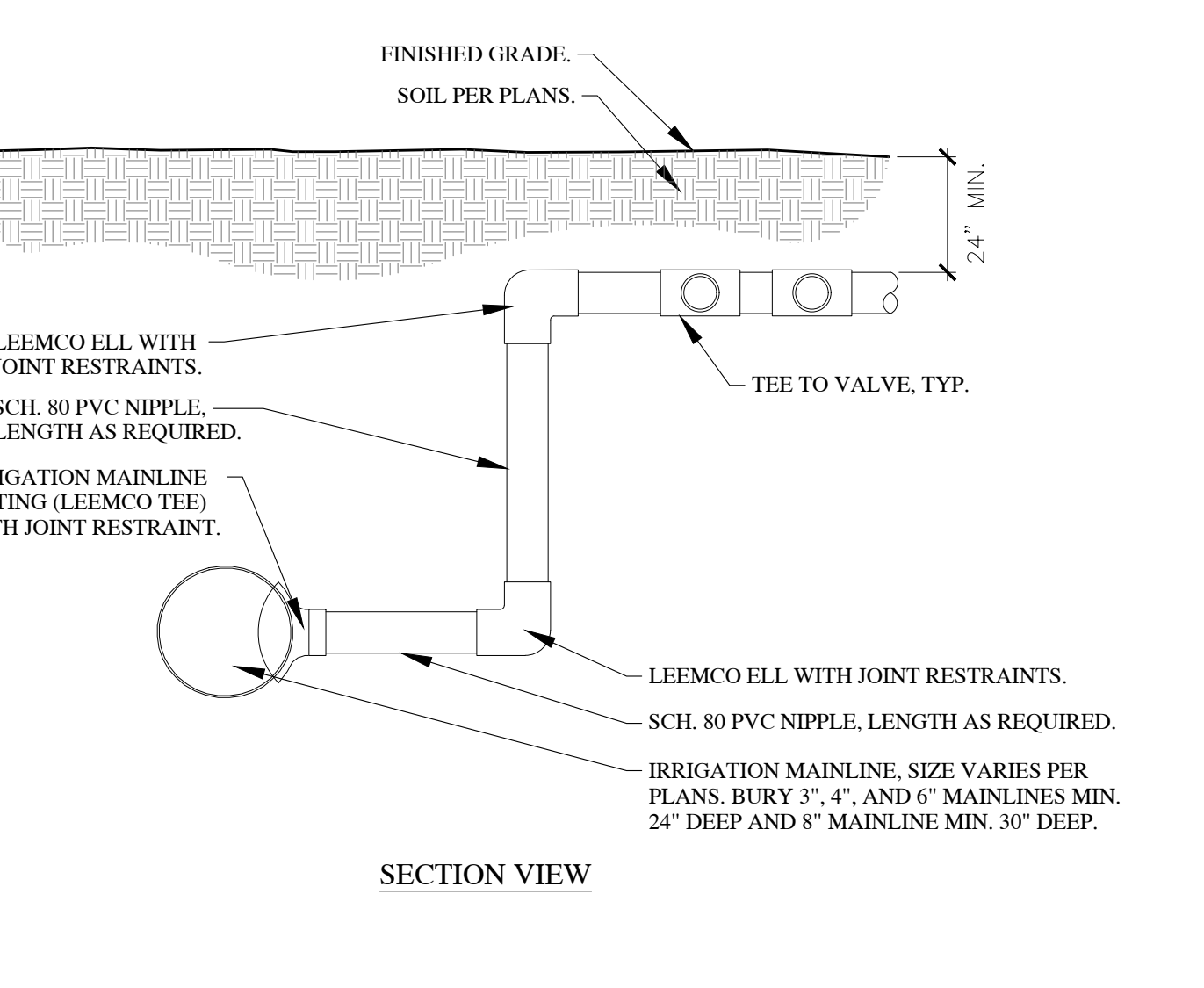
13 INSTALLATION CHART 1" = 1'-0"



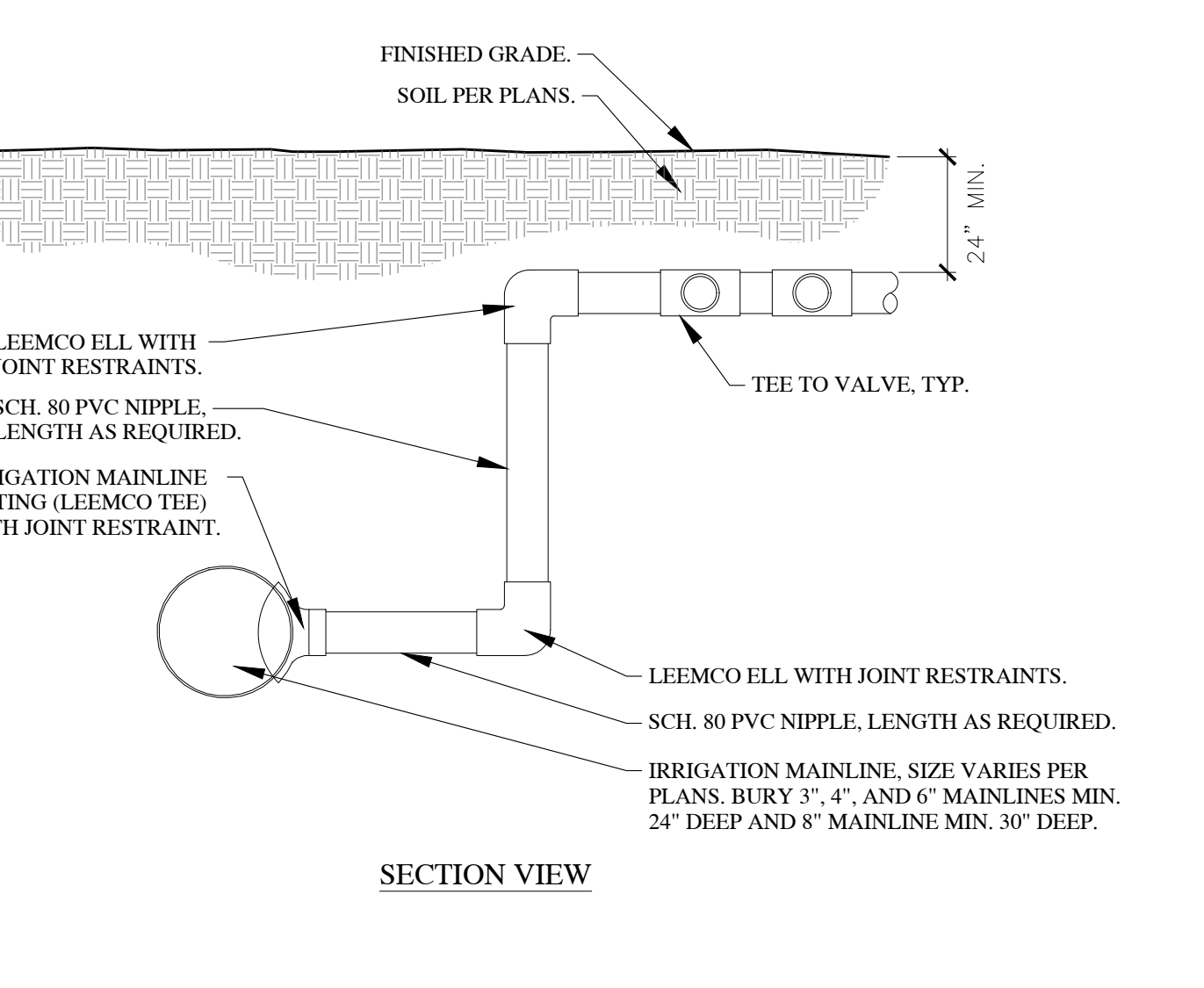
14 QUICK COUPLER VALVE SCALE: NTS



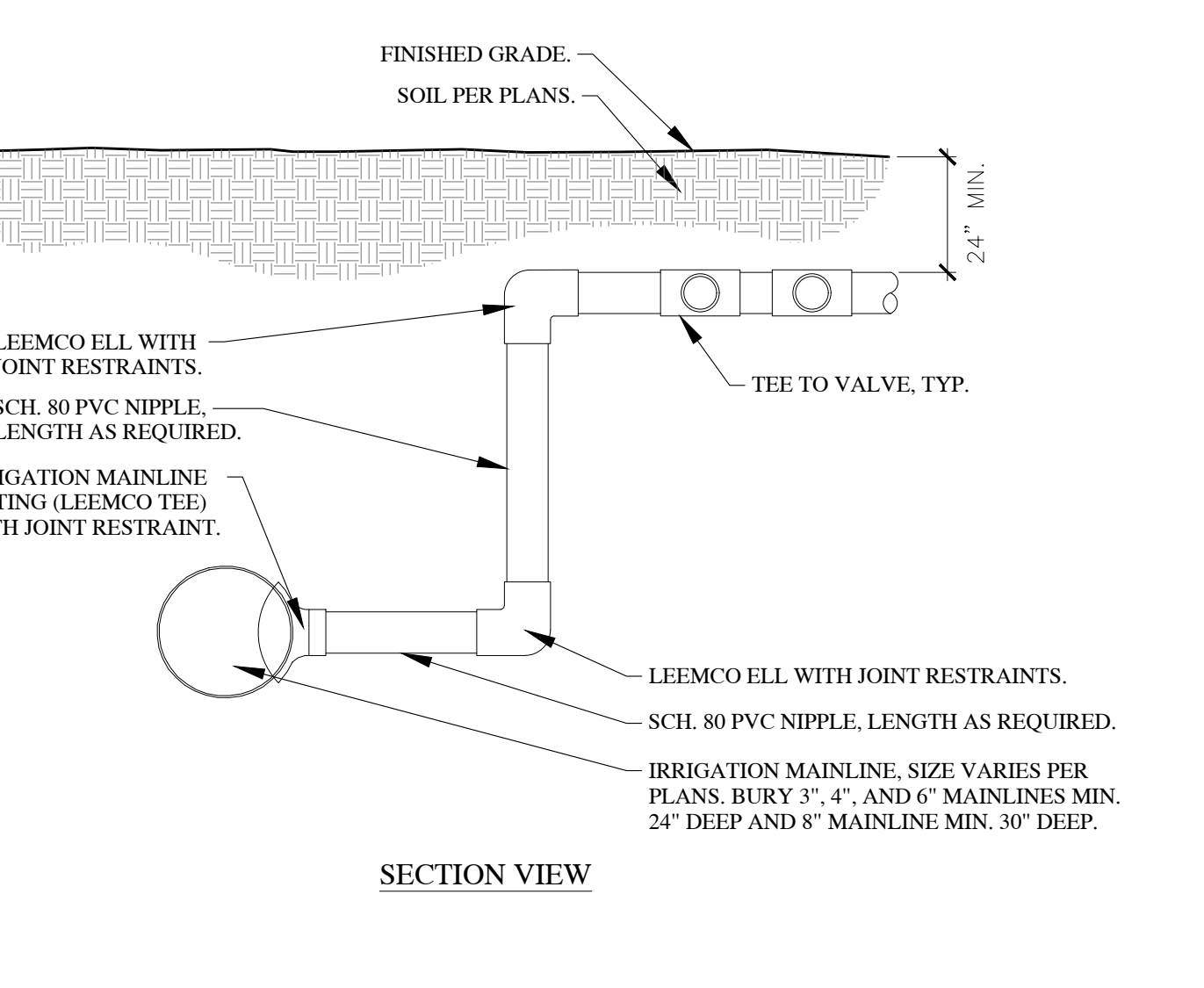
15 CCHS FIELDHOUSE & SOCCER FIELD SCALE: NTS



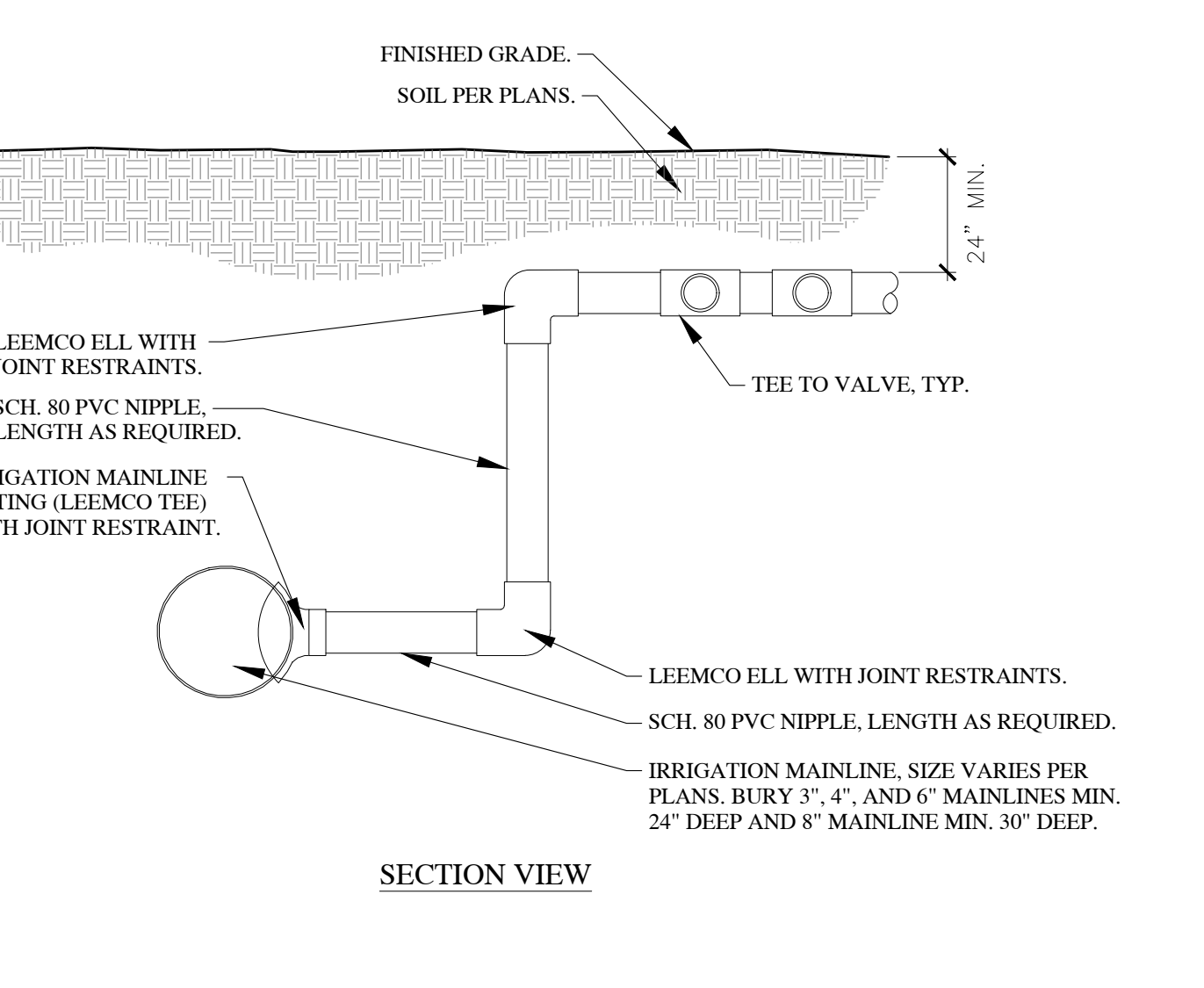
16 OWNER INFORMATION SCALE: NTS



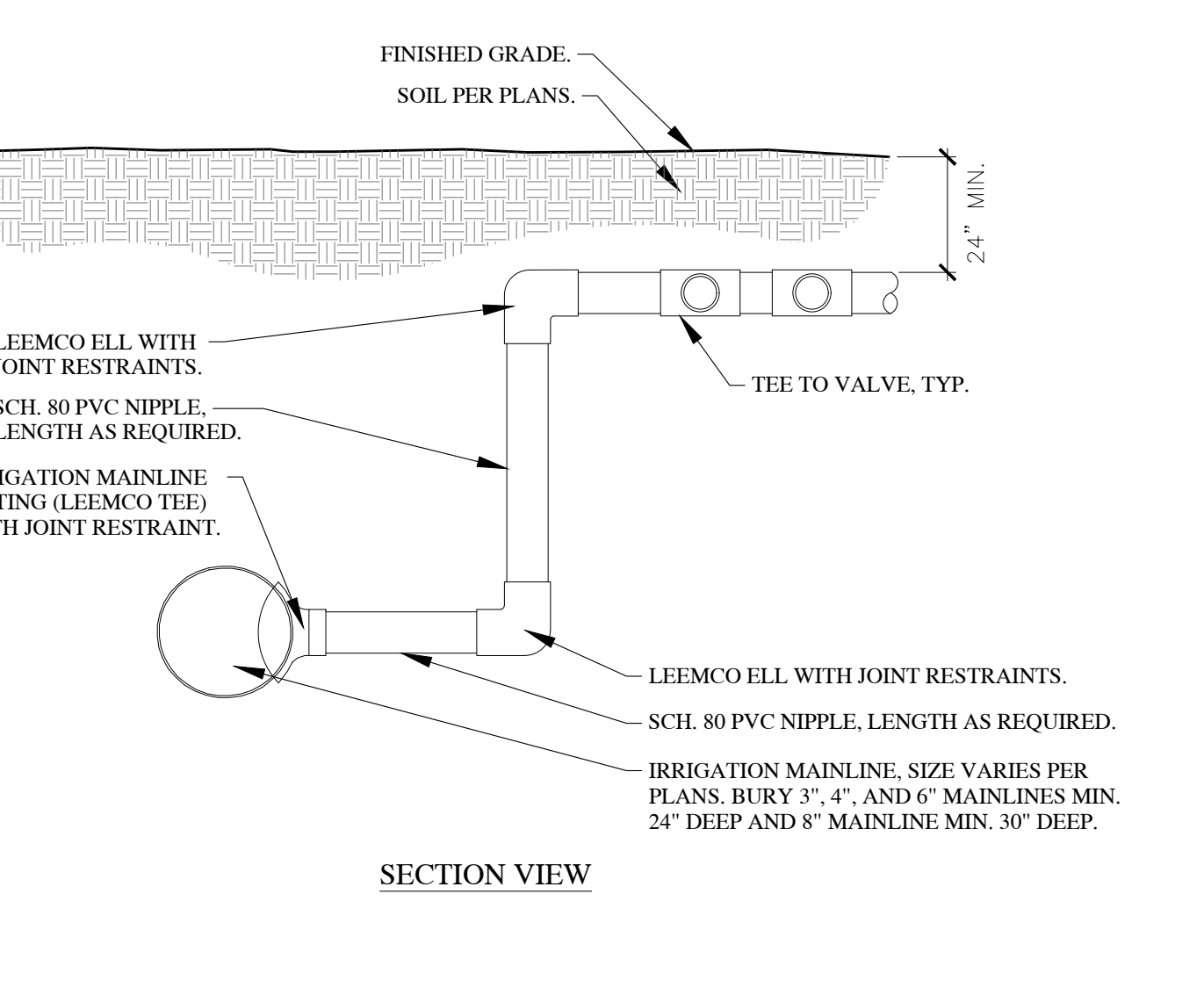
17 PROFESSIONAL STAMP SCALE: NTS



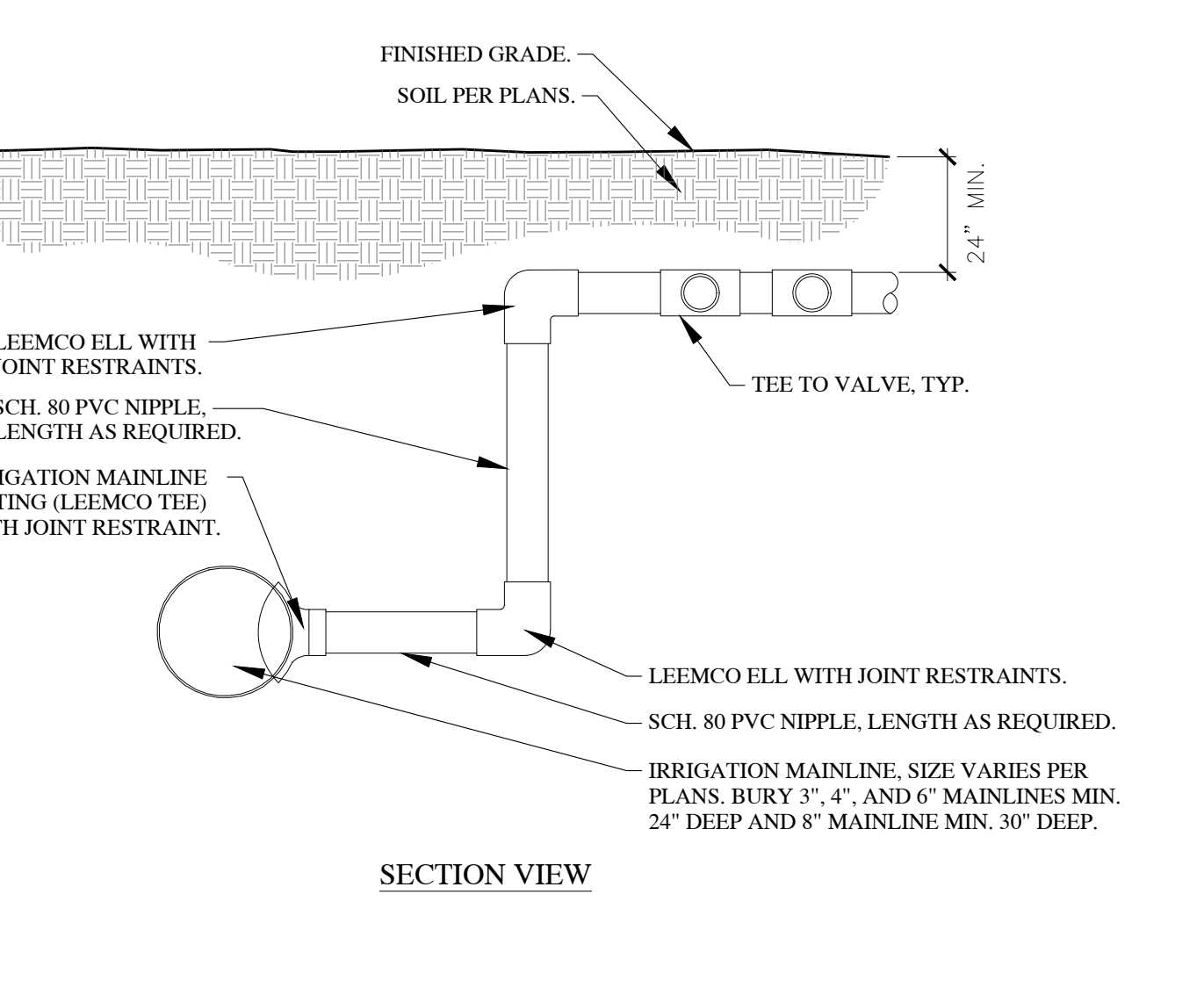
18 CONSULTANT INFORMATION SCALE: NTS



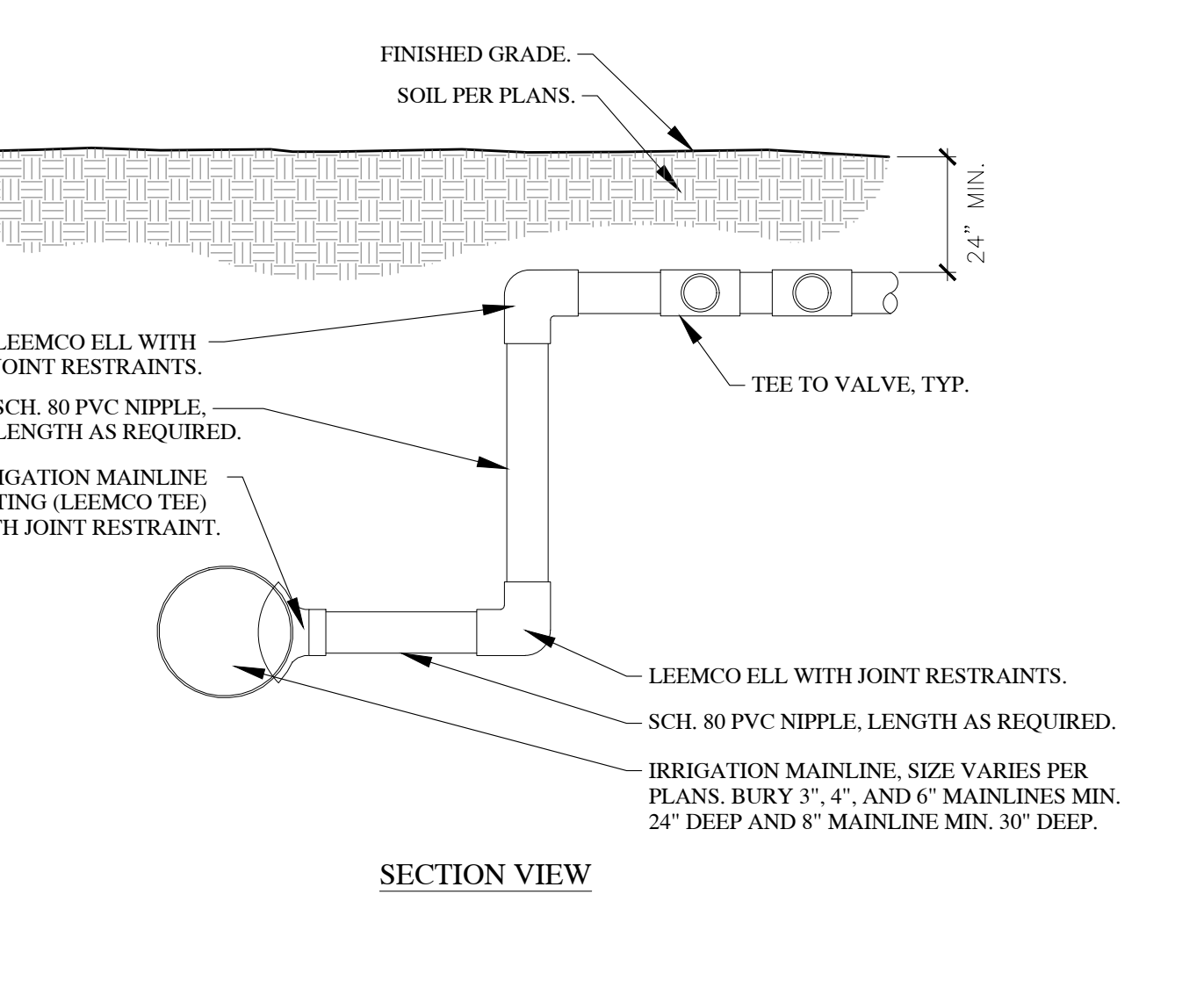
19 IRRIGATION DETAILS SCALE: NTS



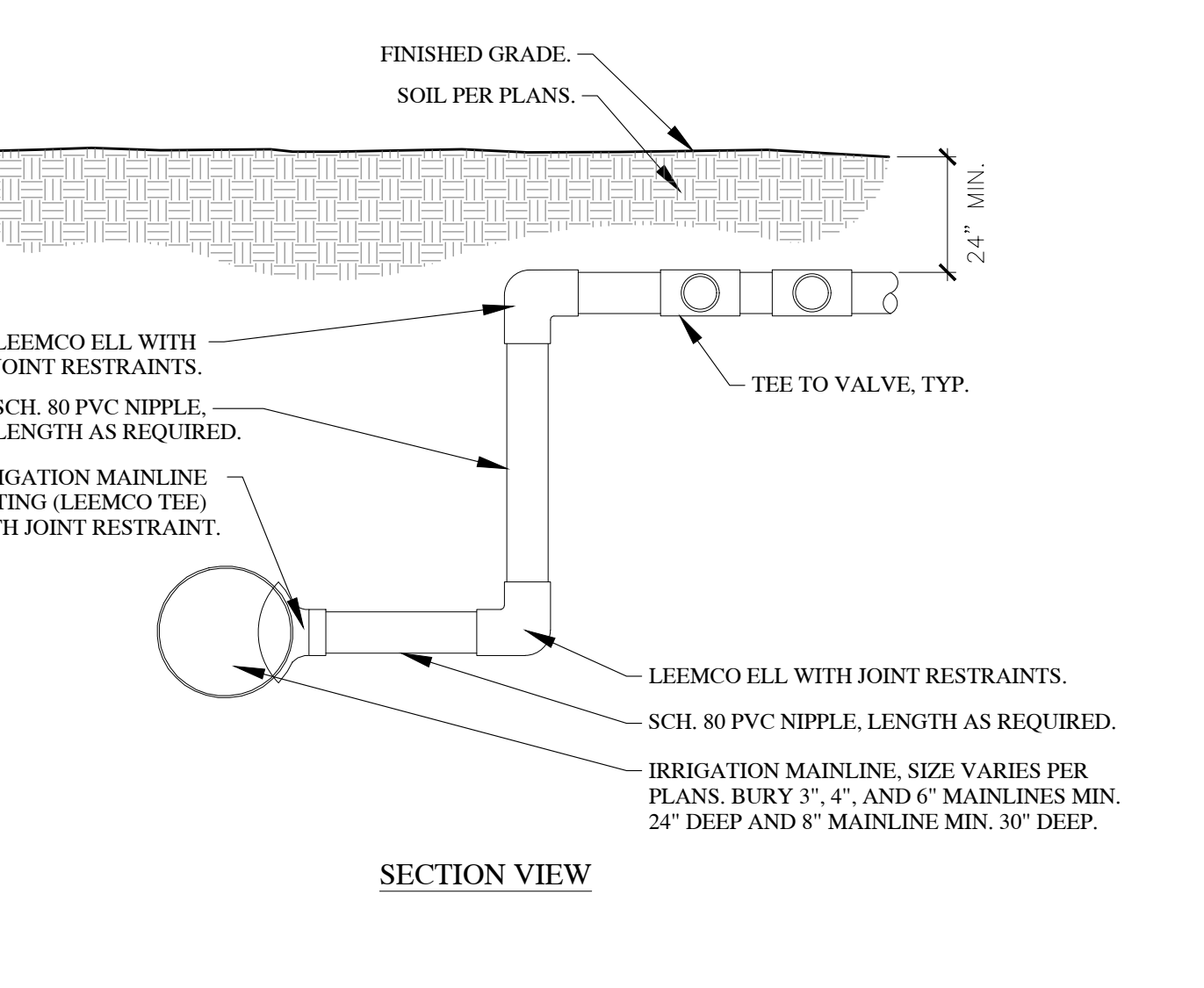
20 VALVE MANIFOLD WITH LEEMCO FITTINGS AND JOINT RESTRAINTS 1" = 1'-0"



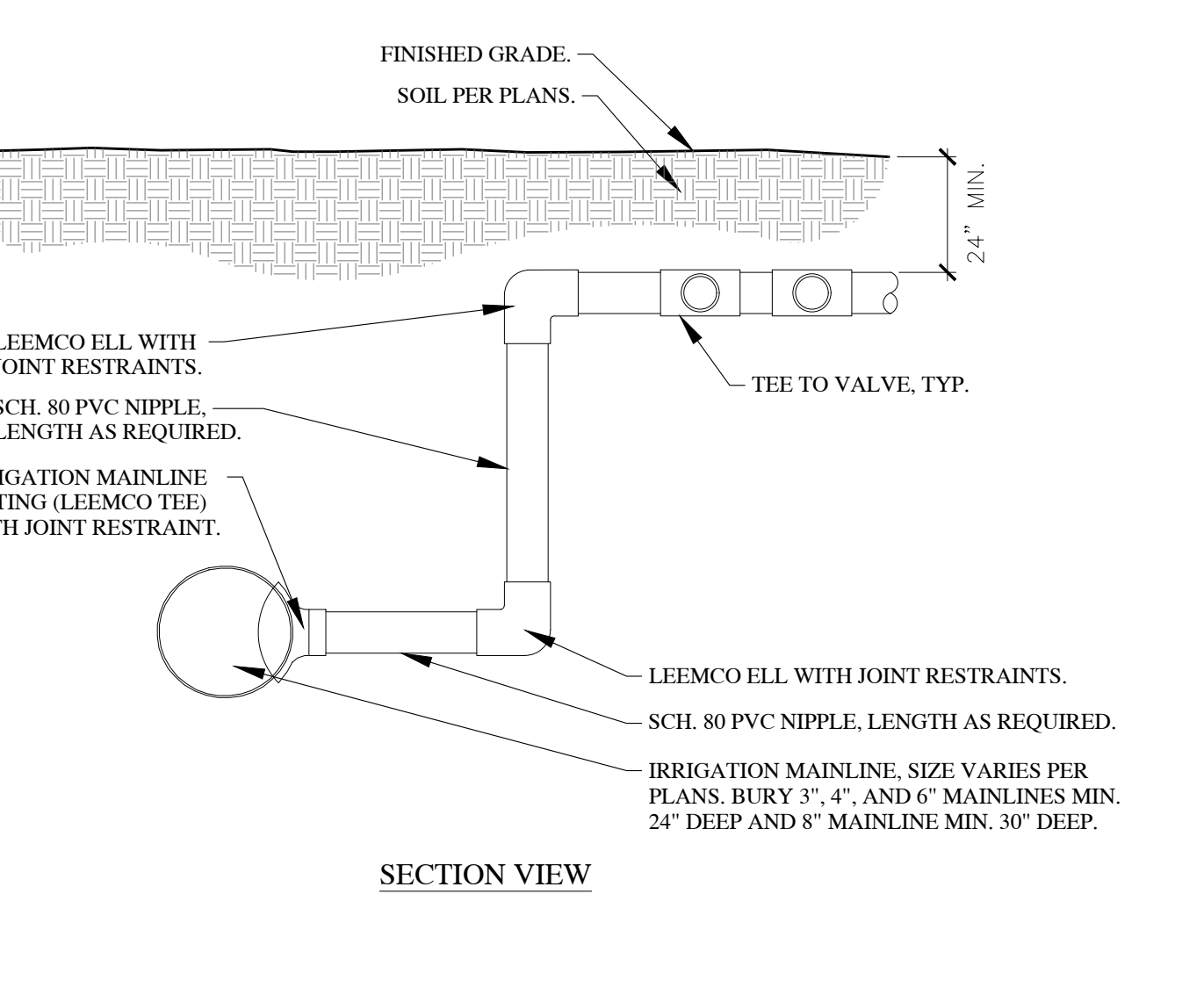
21 POP-UP SPRAY SCALE: NTS



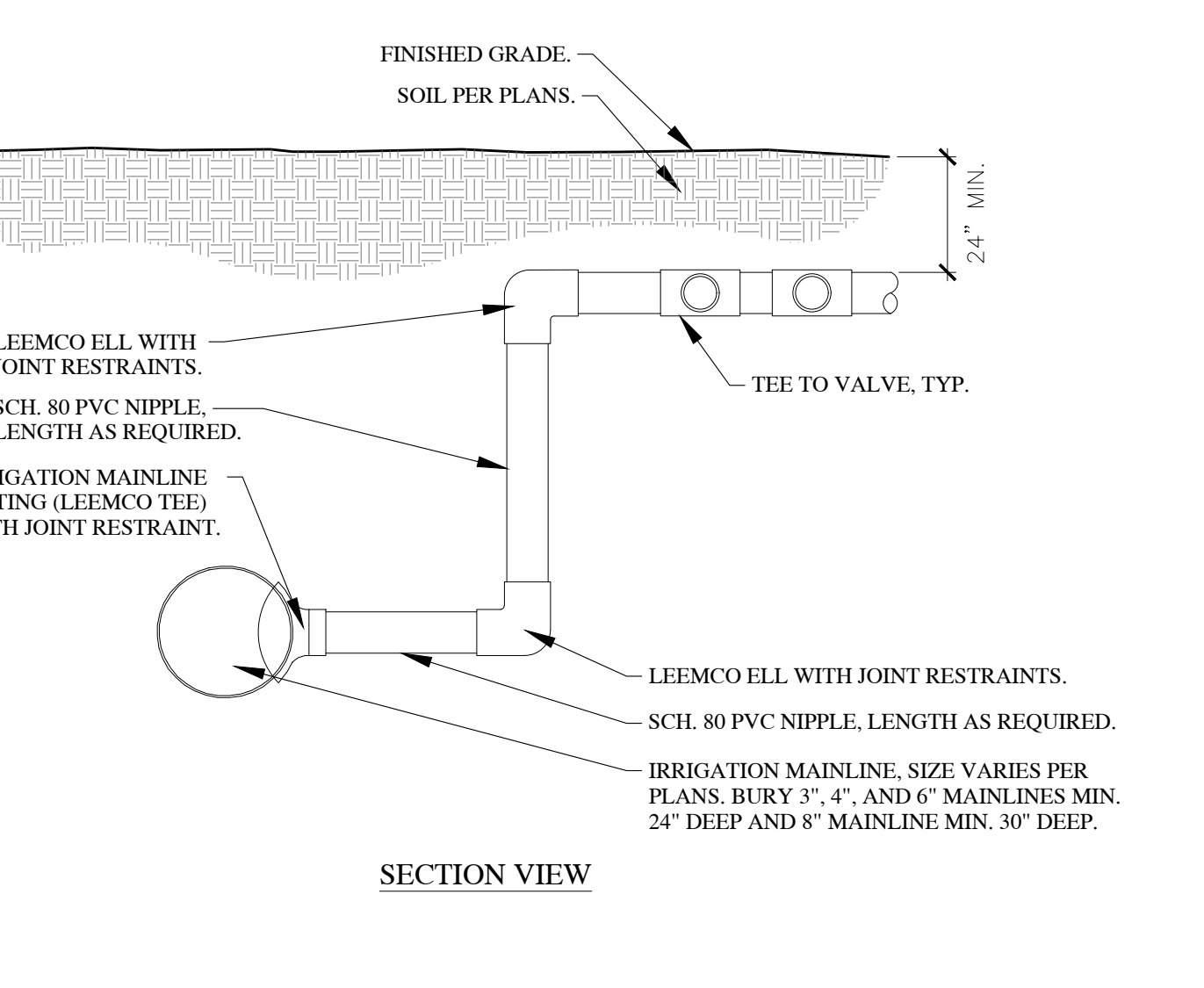
22 ROTOR HEAD SCALE: NTS



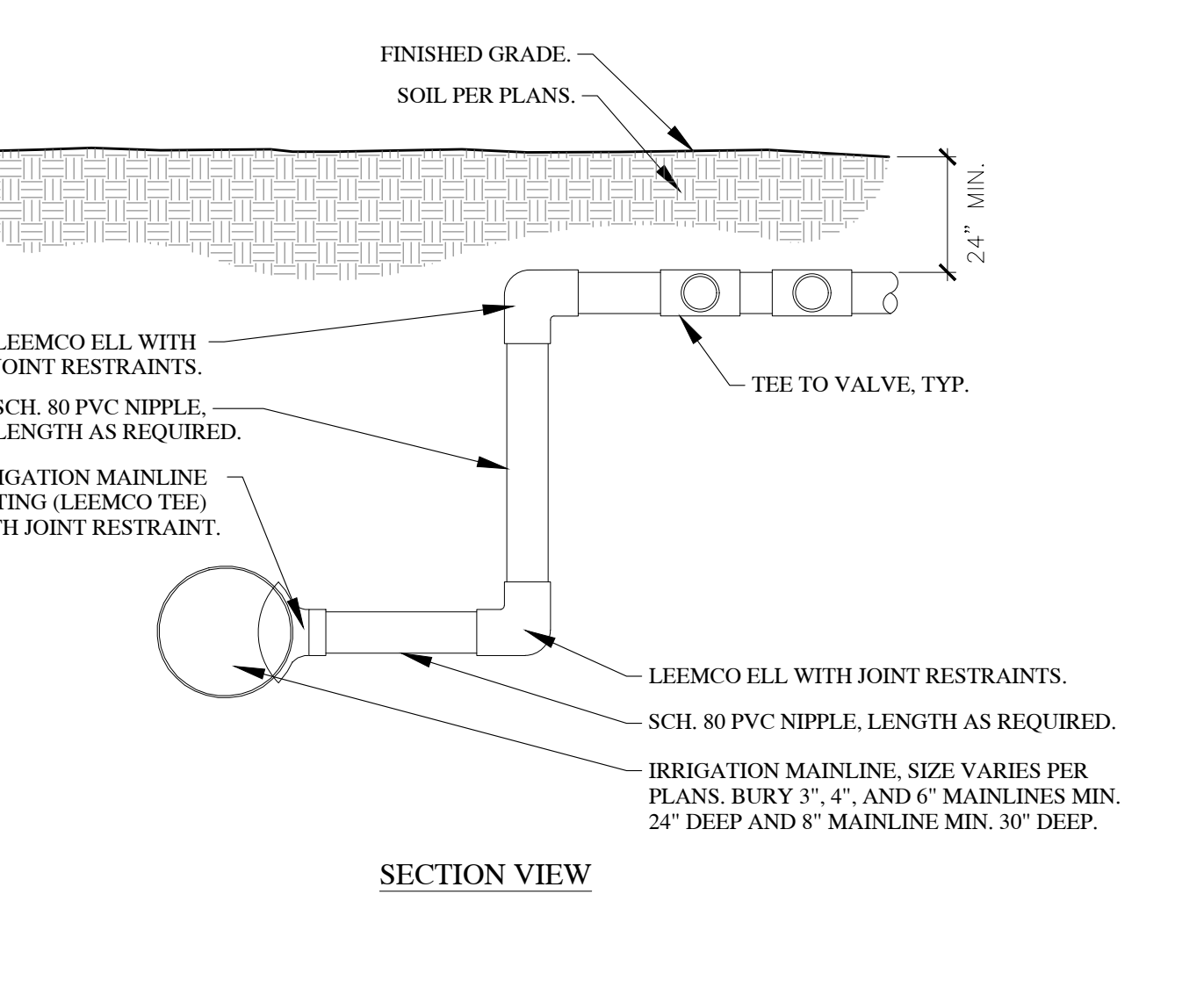
23 VALVE ASSEMBLY SCALE: NTS



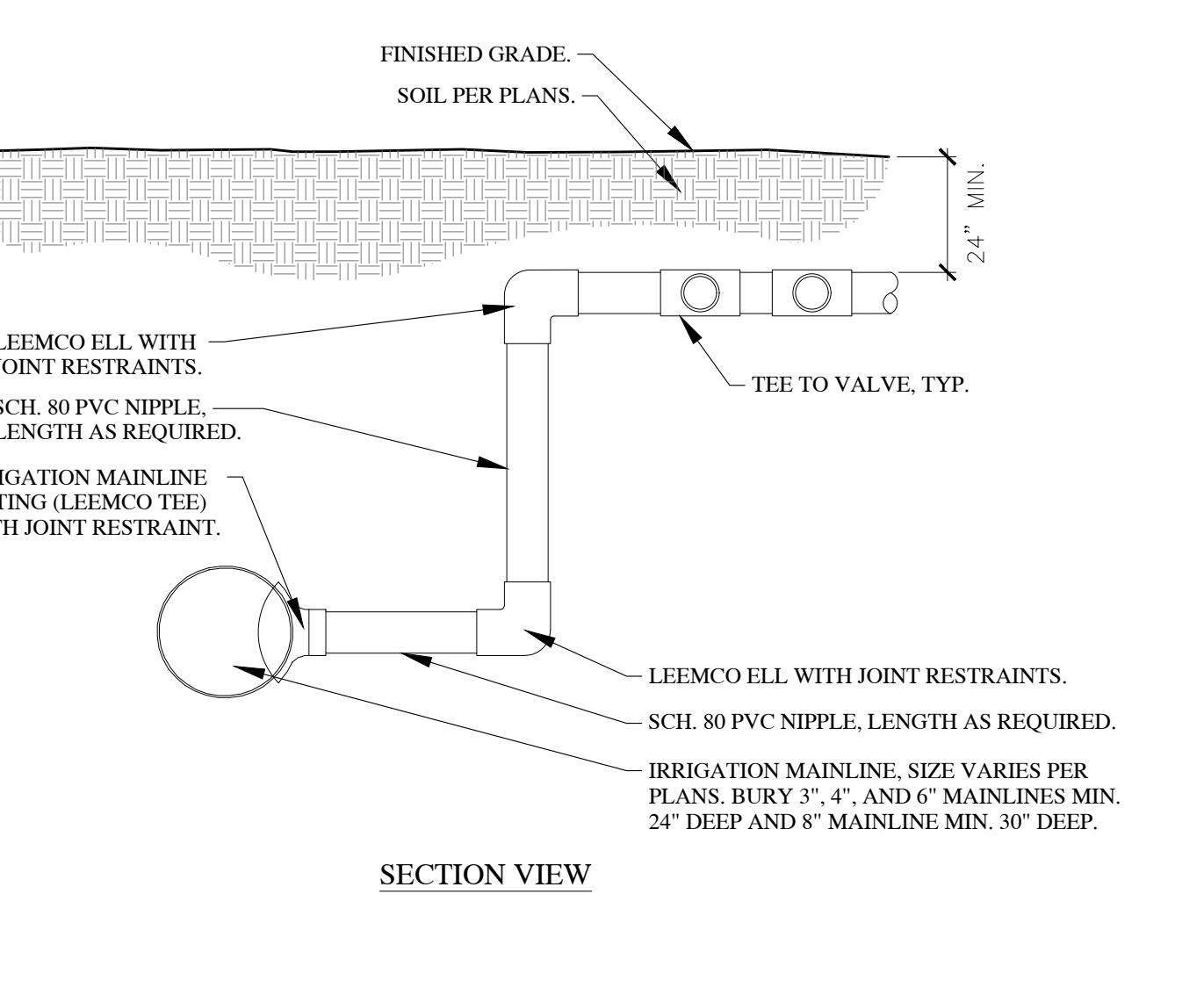
24 CONTROL VALVE SCALE: NTS



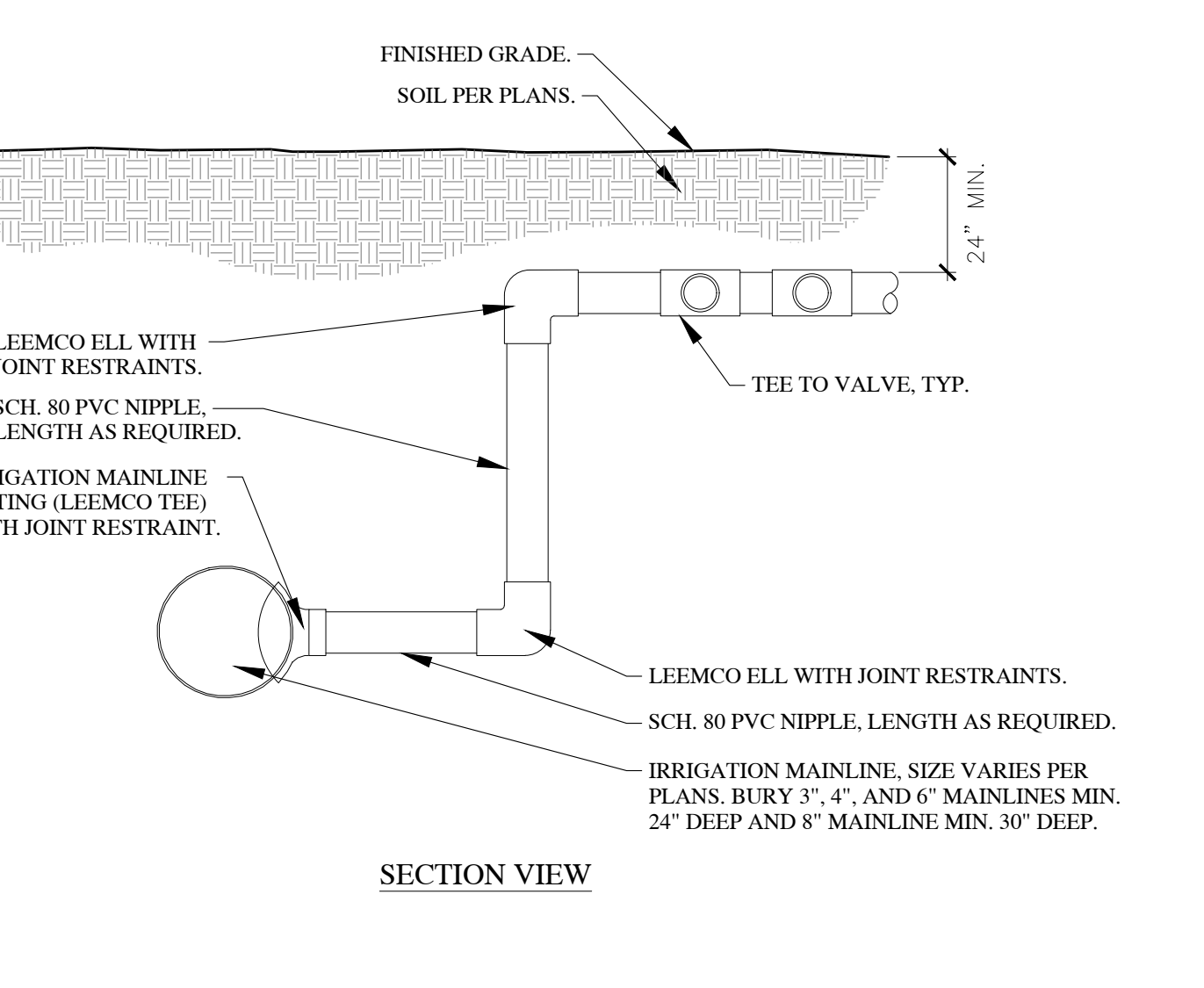
25 MAINLINE GATE VALVE SCALE: NTS



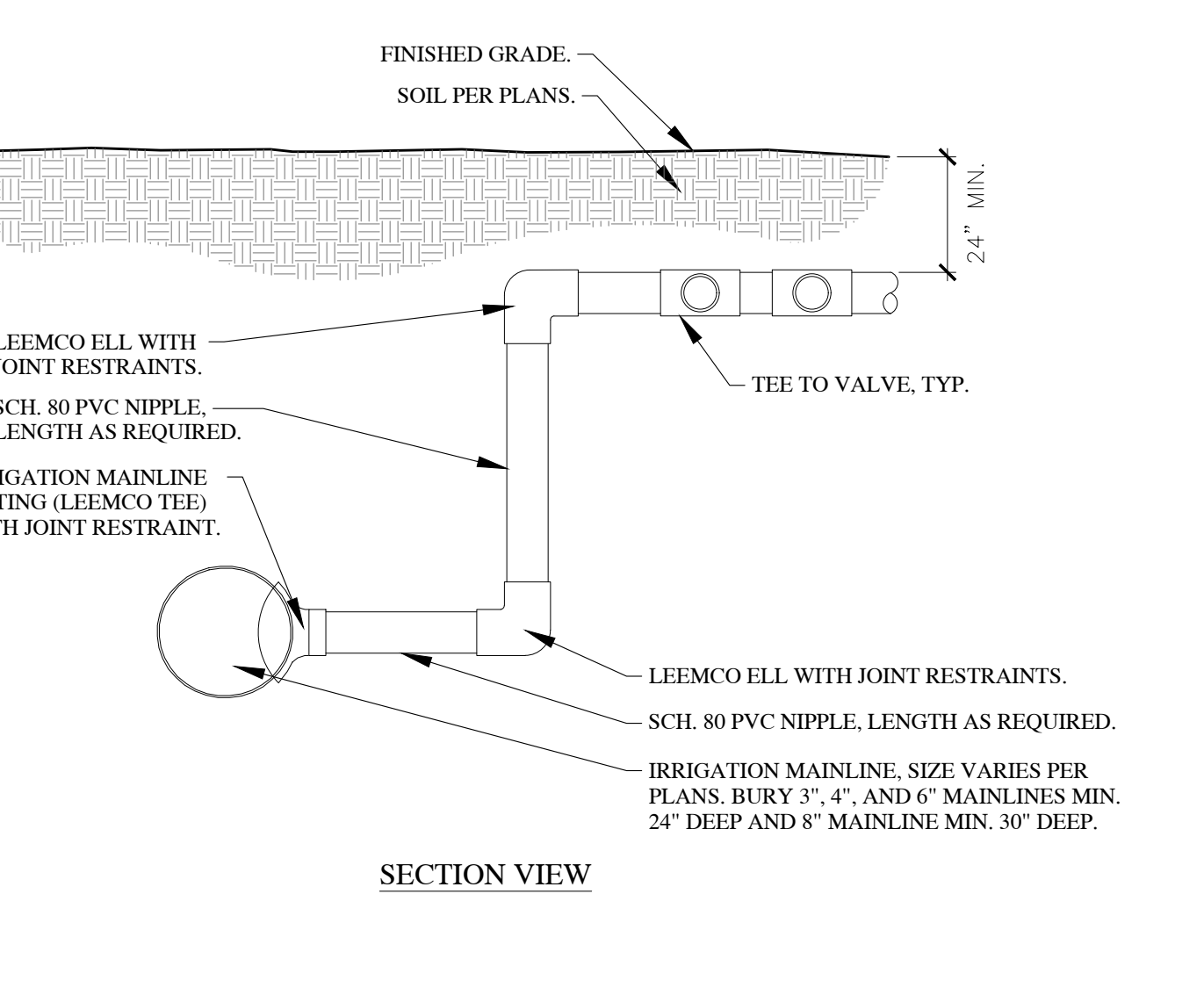
26 JOINT RESTRAINT CHART 1" = 1'-0"



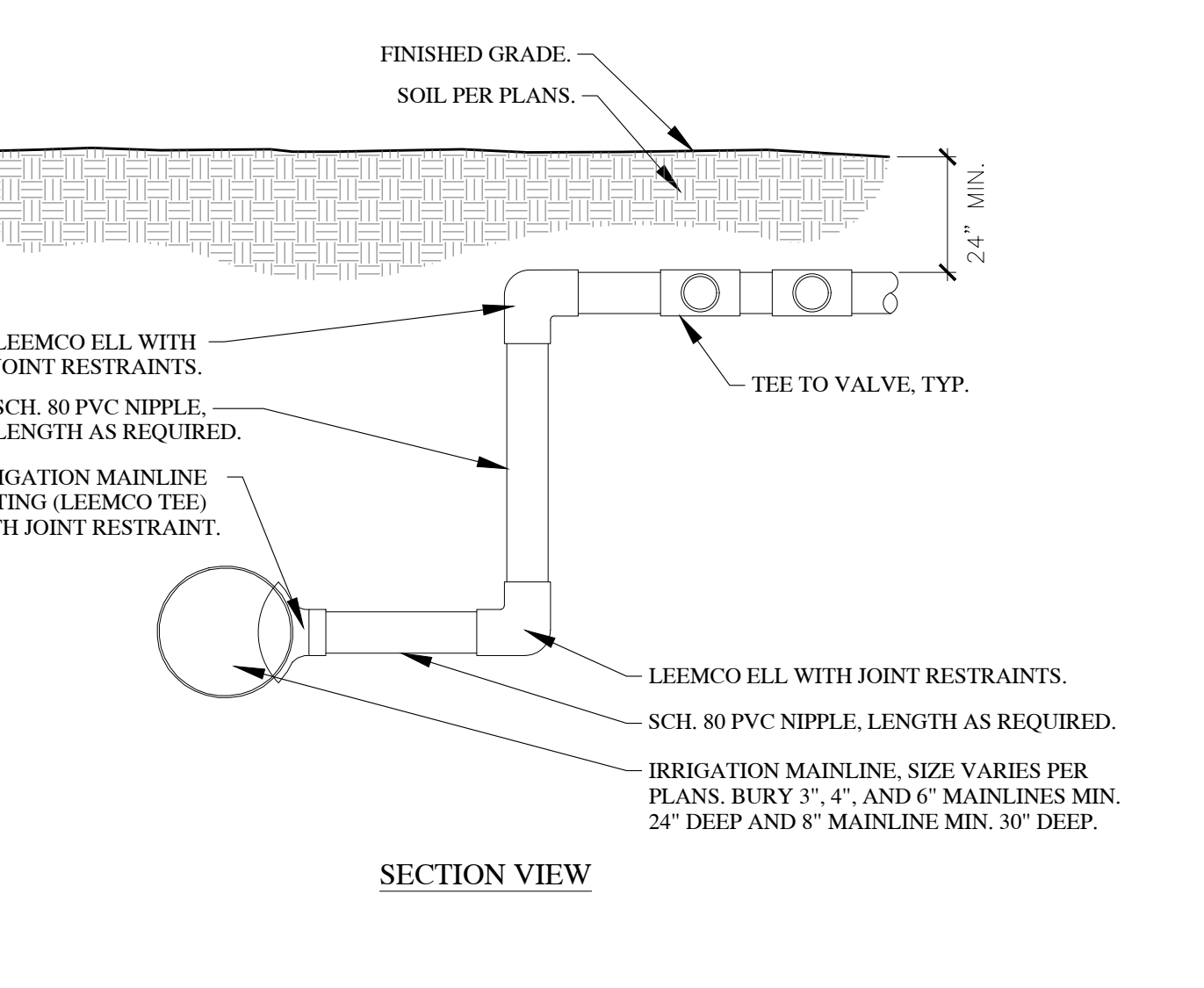
27 DISTANCE CHART 1" = 1'-0"



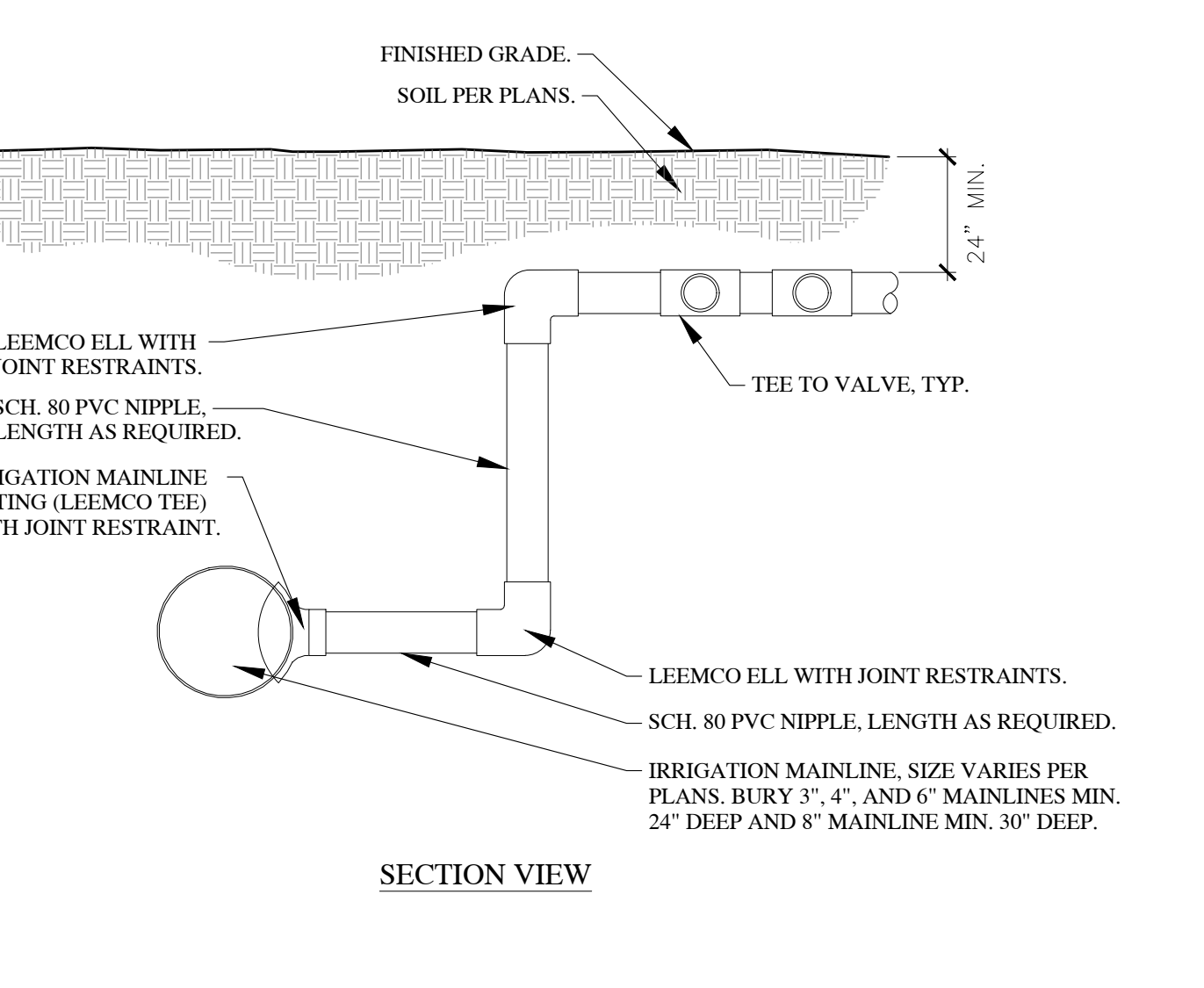
28 INSTALLATION CHART 1" = 1'-0"



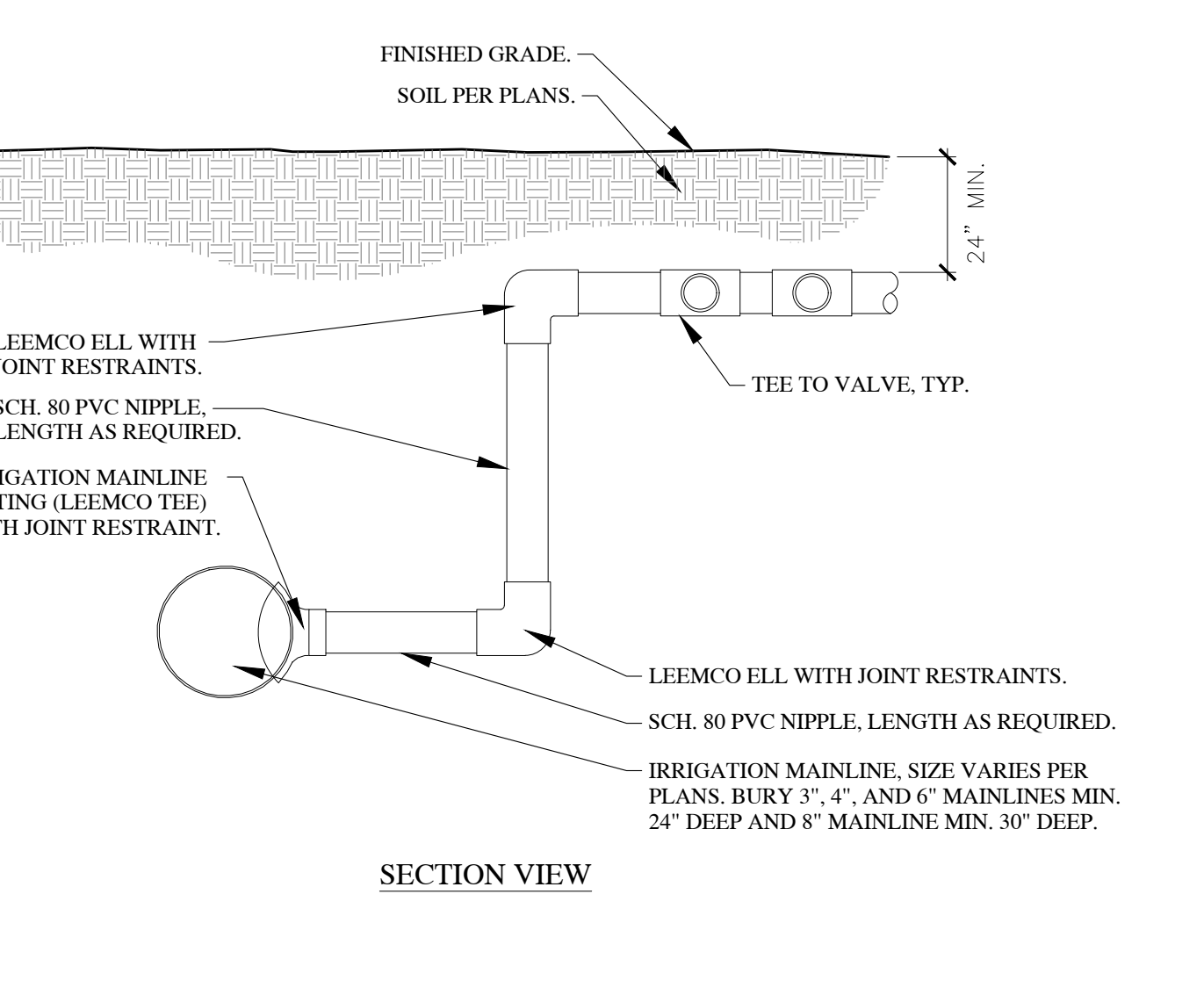
29 QUICK COUPLER VALVE SCALE: NTS



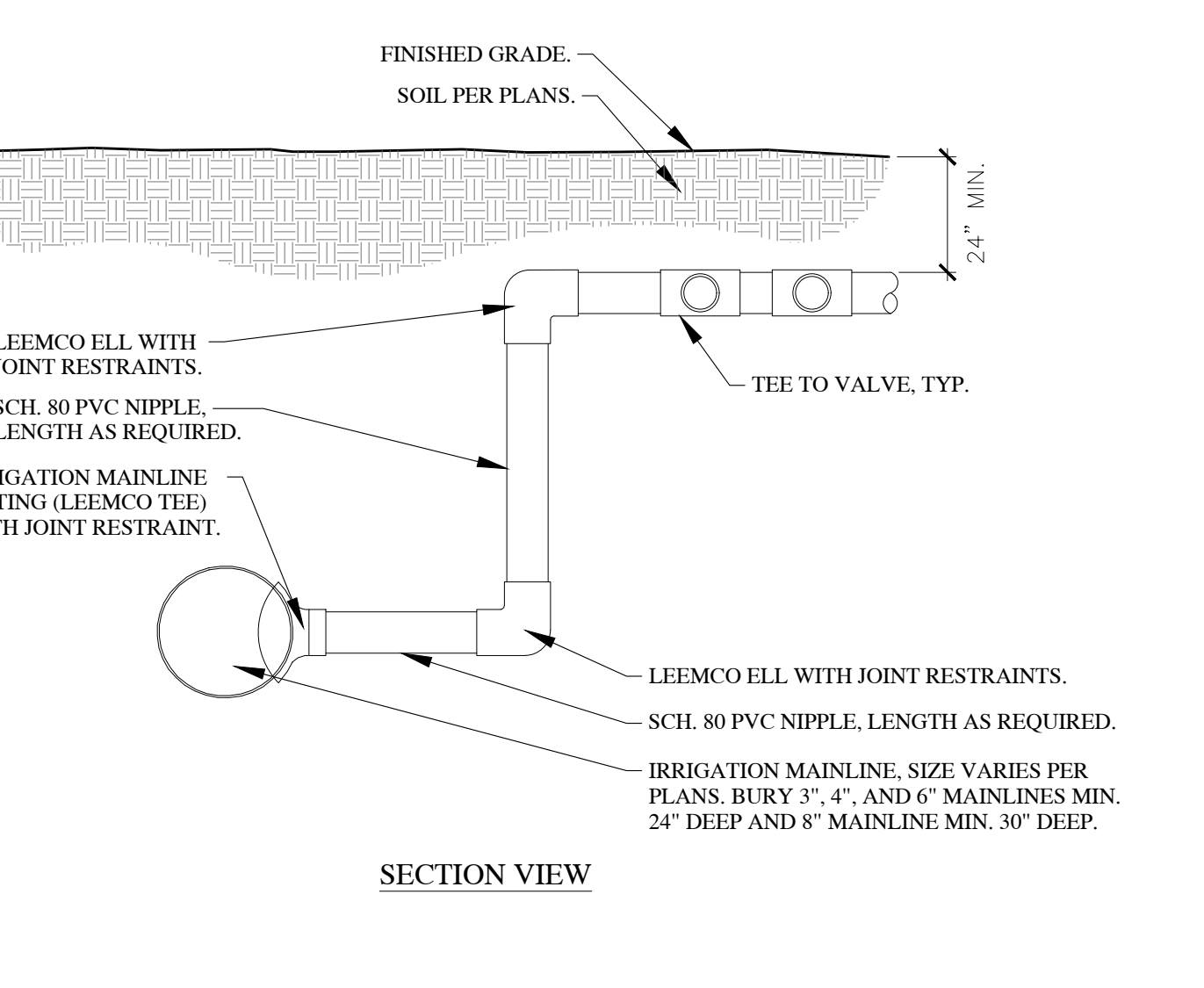
30 CCHS FIELDHOUSE & SOCCER FIELD SCALE: NTS



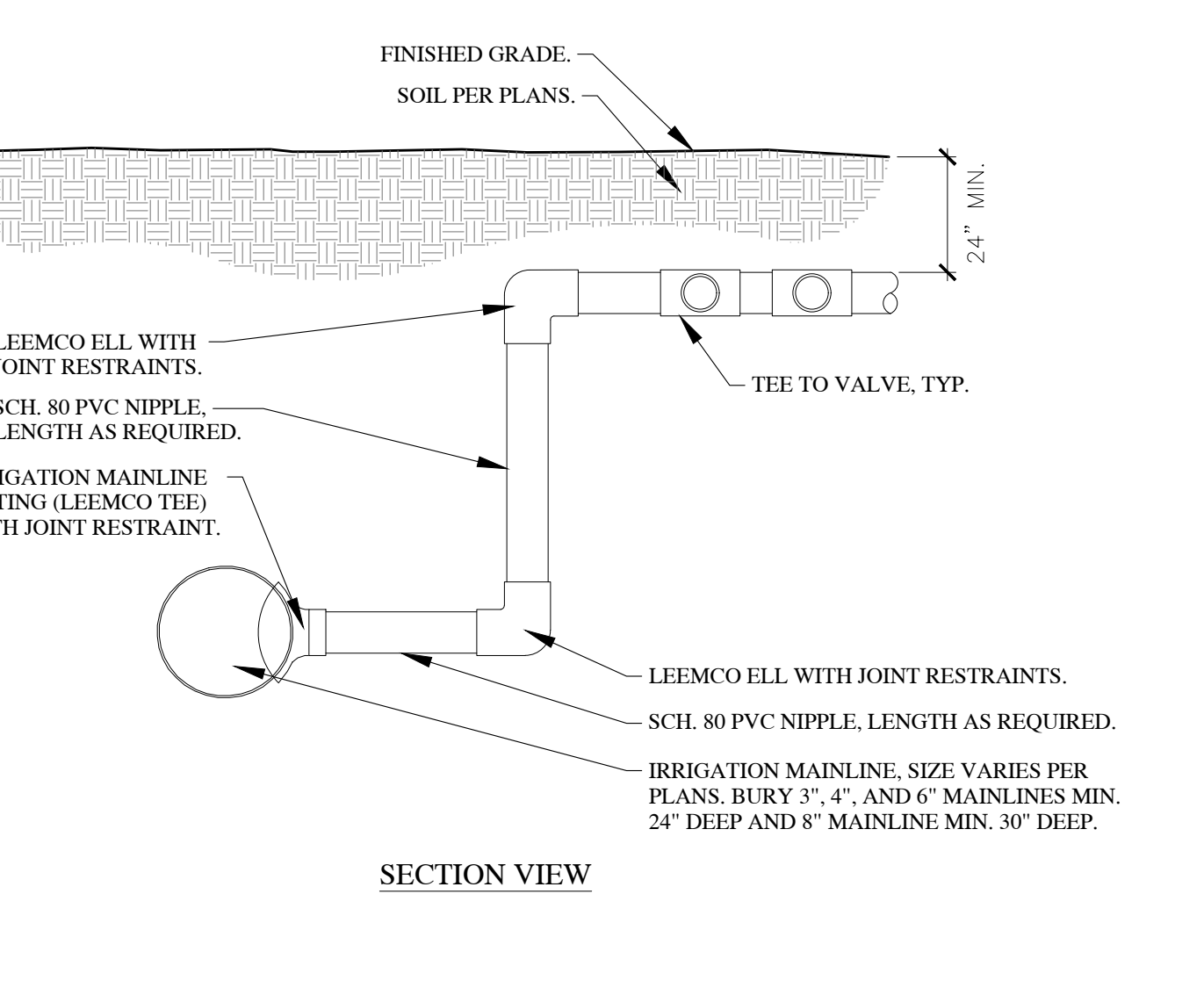
31 OWNER INFORMATION SCALE: NTS



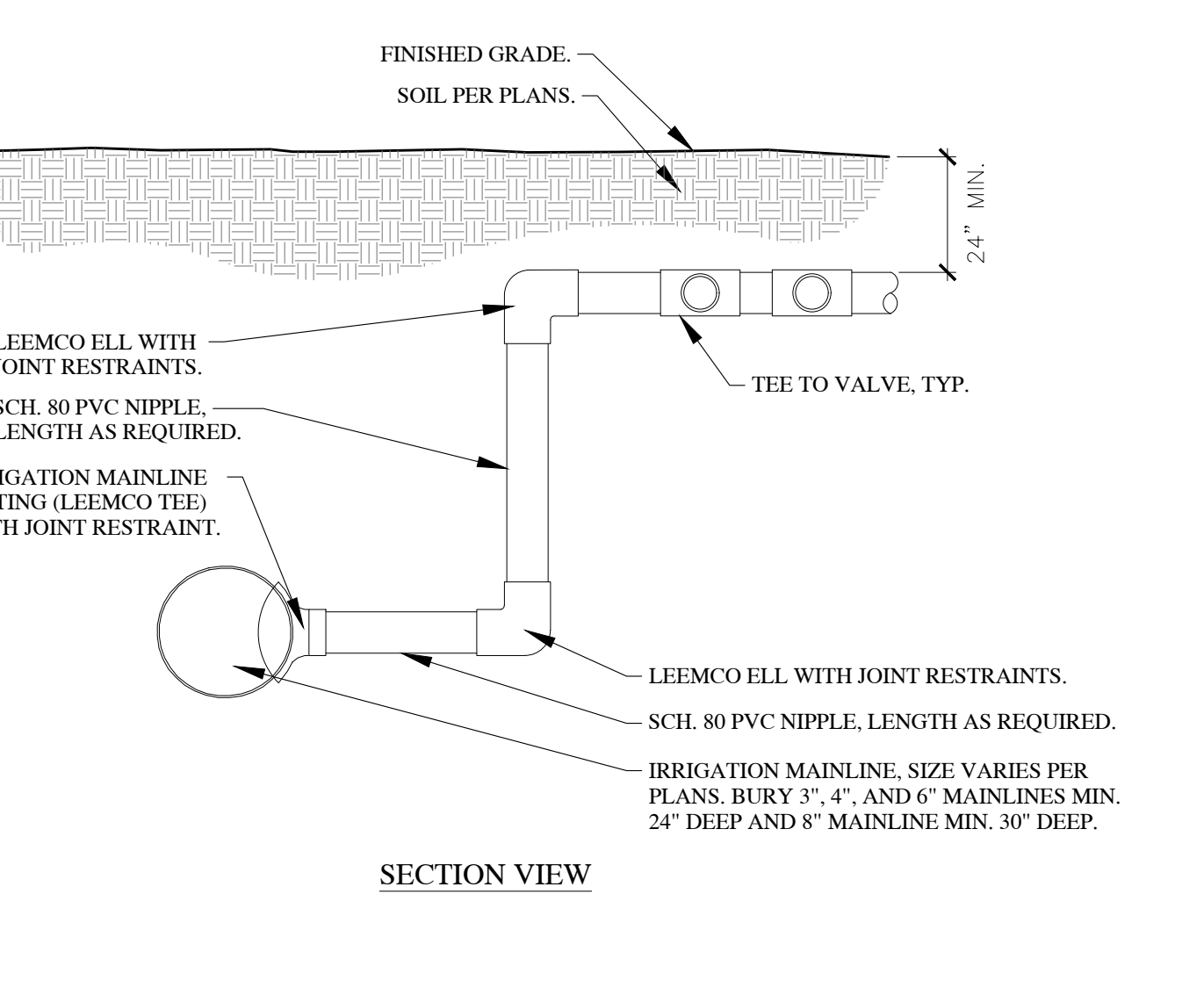
32 PROFESSIONAL STAMP SCALE: NTS



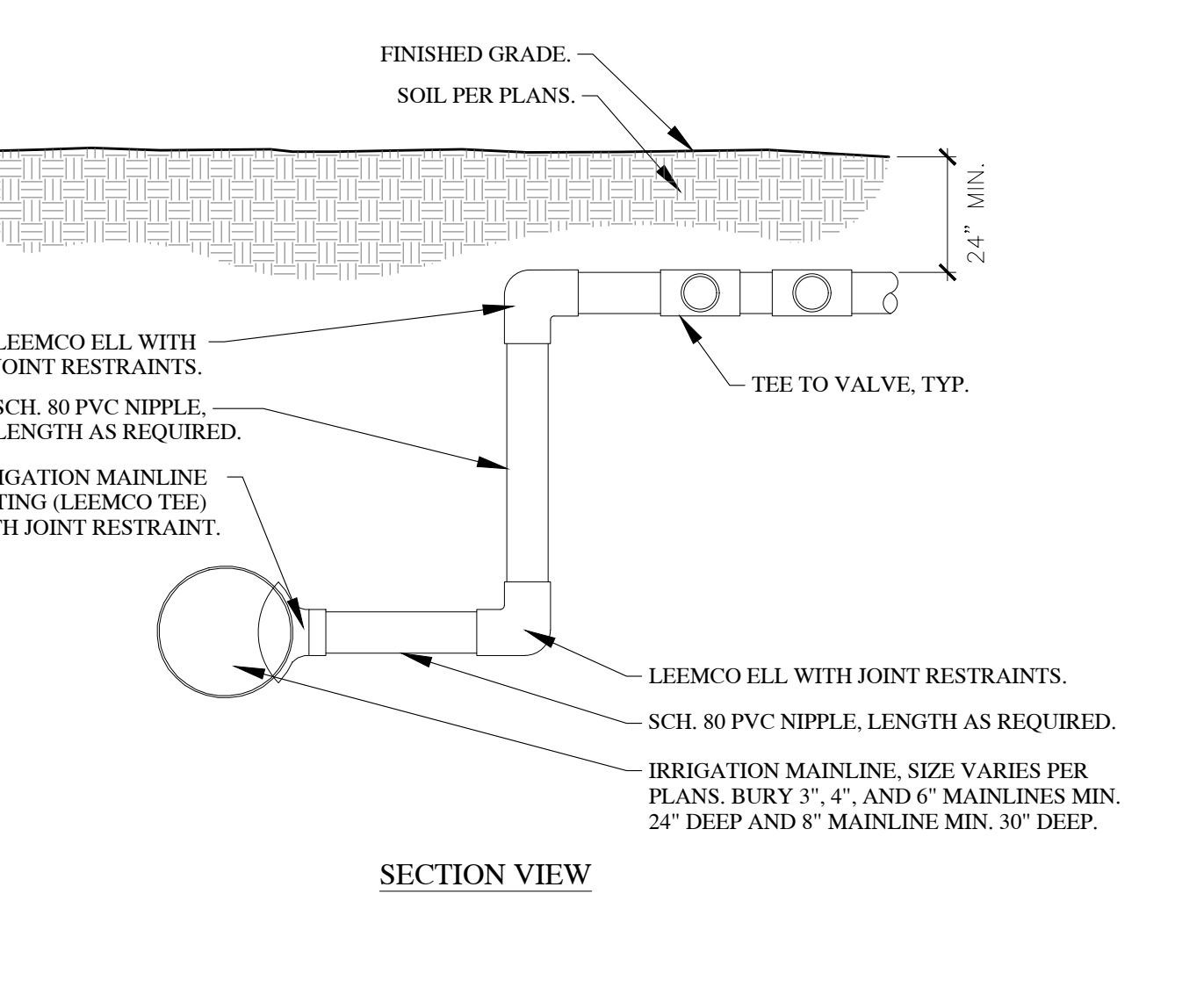
33 CONSULTANT INFORMATION SCALE: NTS



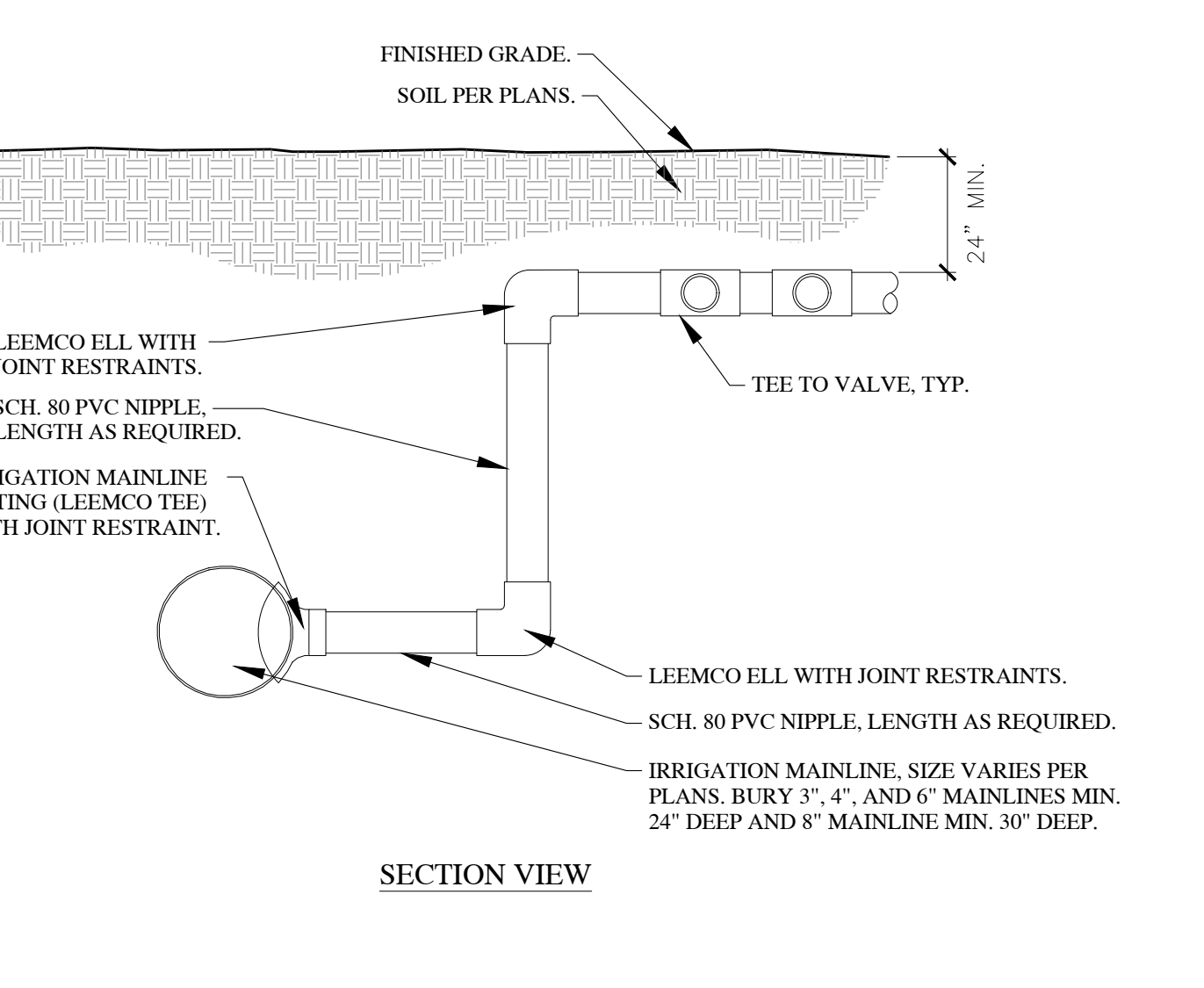
34 IRRIGATION DETAILS SCALE: NTS



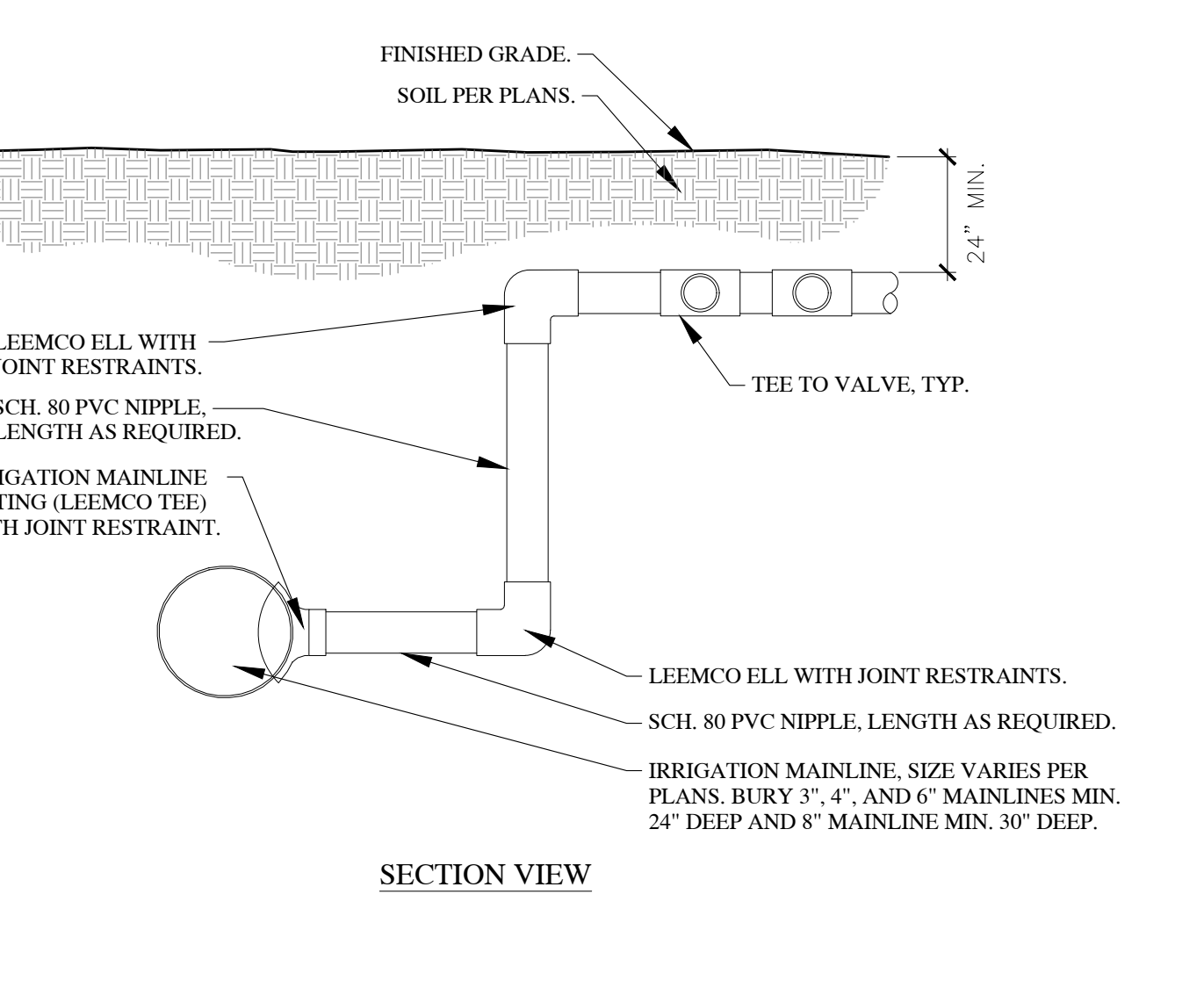
35 VALVE MANIFOLD WITH LEEMCO FITTINGS AND JOINT RESTRAINTS 1" = 1'-0"



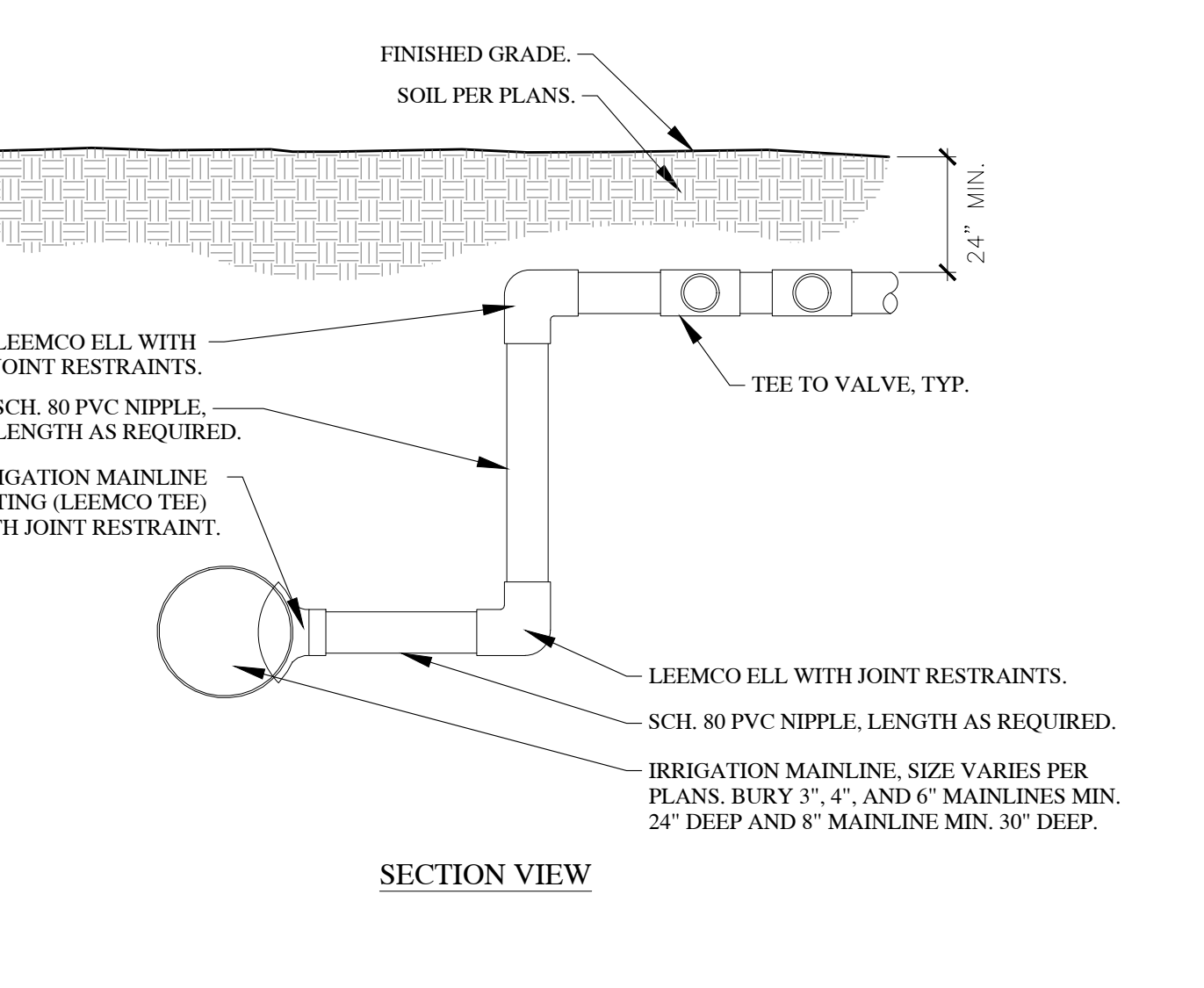
36 POP-UP SPRAY SCALE: NTS



37 ROTOR HEAD SCALE: NTS



38 VALVE ASSEMBLY SCALE: NTS





A

B

C

D

E

CODE ANALYSIS & BUILDING CRITERIA

BUILDING OCCUPANCY ANALYSIS

CCHS FIELDHOUSE	
Area (S.F.)	36,997 SF
Total Design Occupancy	2,001

PATH LEGEND

COMMON PATH EGRESS PATH FEC PATH

DEFERRED SUBMITTALS

Fire Protection Sprinkler Drawings - Section 211310

Fire Alarm Drawings - Section 283123

DEFERRED SUBMITTALS ARE TO BE MADE IN COMPLIANCE WITH SECTION 107.3.4.1 OF THE 2018 INTERNATIONAL BUILDING CODE. DEFERRED SUBMITTAL DOCUMENTS SHALL RESUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL HAVING JURISDICTION WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL COMPLIANCE WITH THE DESIGN OF THE PROJECT. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED. THE DEFERRED SUBMITTAL SHALL BE SUBMITTED TO THE BUILDING OFFICIAL HAVING JURISDICTION PRIOR TO INSPECTIONS. THE WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

FINISHES ANALYSIS

Roof Table 1505	
Provided	Class A
Interior Walls & Ceilings	
Provided @ Egress Enclosures & passages	Class B
Provided @ Corridors & other exit ways	Class C
Provided @ Room & Enclosures	Class C
Interior Floors	
Provided	Class 1 & 2

BUILDING EGRESS ANALYSIS

CCHS FIELDHOUSE	
Required Points of Egress Table 1006.3.3	4
Actual points of Egress	7 <b>COMPLIANT</b>
Min. Required Corridor Width Table 1020.2	76"
Actual Min. Corridor Width	76" <b>COMPLIANT</b>
Max. Allowable Dead End	50'
Actual Max. Dead End	0' <b>COMPLIANT</b>
Max. Allowable Common Path of Egress Table 1006.2.1	75'
Actual Max. Common path of Egress	27' <b>COMPLIANT</b>
Max. Allowable Travel Distance 1017.2	250'
Actual Max. Travel Distance	113' <b>COMPLIANT</b>

EGRES TRAVEL PATH

Type	Egress Path Length
COMMON PATH 1-1	26'-9 1/4"
EGRESS PATH 1-1	87'-3 5/8"
EGRESS PATH 1-2	113'-5 1/8"
EGRESS PATH 1-3	108'-8 1/4"

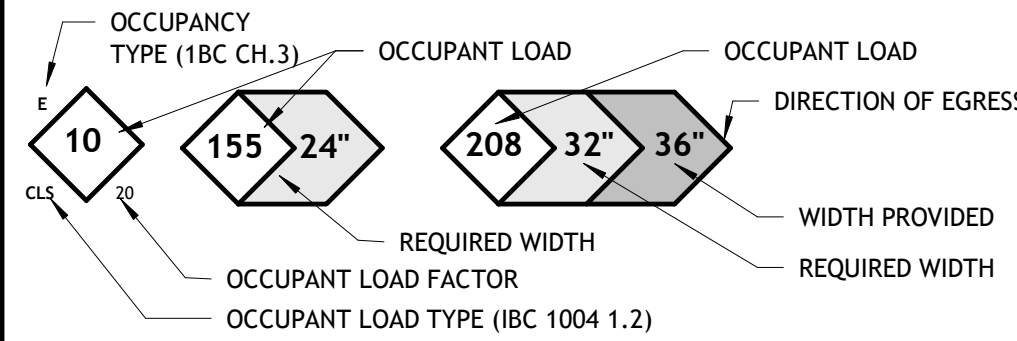
CODE ANALYSIS

CCHS FIELDHOUSE	
Occupancy Section 305	E
Construction Type Section 602	II-B
Fire-Sprinkler System Section 903	YES, Fully Sprinkled NFPA 13
Allowable Stories Section 504.4	3
Actual Stories	1 <b>COMPLIANT</b>
Allowable Height 504.4	75'-0"
Actual Height	38'-10" <b>COMPLIANT</b>
Base Allowable Floor Area (A <sub>b</sub> ) Table 506.2	58,000 SF per story
Non Sprinkled Allowable Area (N <sub>s</sub> ) Table 506.2	14,500 SF
Building Perimeter with Frontage (F) Section 506.3.2	784'-0"
Building Perimeter (P)	784'-0"
Weighted Average Frontage Width (W) Section 506.3.2	30
Frontage Increase Factor (I <sub>f</sub> ) = [ F / (P-0.25) X W/30 ] Section 506.3	.75
Total Allowable Area (A <sub>b</sub> +A <sub>n</sub> -1 N <sub>s</sub> X I <sub>f</sub> ) Section 506.2	68,875 SF per story
Actual Main Floor Square Footage	37,872 SF <b>COMPLIANT</b>
Actual Mezzanine Square Footage	2,260 SF <b>COMPLIANT</b>
Total Area	39,632 SF

PLUMBING FIXTURE ANALYSIS (IBC 2021)

Building to be an auxiliary building of existing. Occupancy from existing facility.	
Required Water Closet Male	0
Provided Water Closet Male	5 <b>COMPLIANT</b>
Required Water Closet Female	0
Provided Water Closet Female	5 <b>COMPLIANT</b>
Required Water Closet Unisex	0
Provided Water Closet Unisex	3 <b>COMPLIANT</b>
Required Lavatories Male	0
Provided Lavatories Male	4 <b>COMPLIANT</b>
Required Lavatories Female	0
Provided Lavatories Female	4 <b>COMPLIANT</b>
Required Lavatories Unisex	0
Provided Lavatories Unisex	3 <b>COMPLIANT</b>
Required Drinking Fountains	0
Provided Drinking Fountains	2 <b>COMPLIANT</b>
Required Service Sinks	0
Provided Service Sinks	1 <b>COMPLIANT</b>

OCCUPANCY/EXITING LEGEND



LOAD TYPE	LOAD FACTOR	LOAD TYPE	LOAD FACTOR
ACC	300 gross	EXE	50 gross
AGG	300 gross	FAB	200 gross
HAN	500 gross	IND	100 gross
TER	20 gross	TRT	240 gross
BAC	300 gross	OUT	100 gross
BAH	100 gross	SLP	120 gross
CON	15 gross	KIT	200 gross
GAM	11 gross	RED	50 net
EXH	30 net	STA	100 gross
FIX	see section 1004.6	LOC	50 gross
CHR	7 net	MAL	see section 402.8.2
STD	5 net	MER	60 gross
UNC	15 net	STO	300 gross
BOW	7 net	PRK	200 gross
BUS		RES	200 gross
CON	150	REC	50 gross
CRT		DEC	15 gross
DAY	35 net	STG	15 net
DOR	50 gross	WAR	500 gross
CLS	20 net		
VOC	50 net	*** PER FIRE MARSHALL	35 net

OCCUPANCY TYPES

A1, A2, A3, A4, A5	ASSEMBLY
B	BUSINESS
E	EDUCATIONAL
F1, F2	FACTORY AND INDUSTRIAL
H1, H2, H3, H4, H5	HIGH HAZARD
11, 12, 13, 14	INSTITUTIONAL
M	MERCANTILE
R1, R2, R3, R4	RESIDENTIAL
S1, S2	STORAGE
U	UTILITY AND MISCELLANEOUS

FIRE EXTINGUISHER LEGEND

- BRACKET MOUNTED
- SEMI-RECESSED
- SEMI-RECESSED CABINET WITH TYPE K EXTINGUISHER

APPLICABLE CODES AND STANDARDS

- 2021 INTERNATIONAL BUILDING CODE.
- 2021 INTERNATIONAL FIRE CODE.
- 2021 INTERNATIONAL MECHANICAL CODE.
- 2021 INTERNATIONAL PLUMBING CODE.
- 2021 INTERNATIONAL FUEL GAS CODE.
- 2020 NATIONAL ELECTRICAL CODE.
- ASHRAE 90.1 (2018 STANDARD)
- ICC 117.1 - 2009
- NFPA 101 - LIFE SAFETY CODE, 2009 EDITION
- UTAH STATE CODE AMENDMENTS, EFFECTIVE 1 JULY 2023

SEPARATION LEGEND

- ONE-HOUR VERTICAL EXTERIOR ENCLOSURE (FIRE BARRIER).
- ONE-HOUR FIRE PARTITION.
- TWO-HOUR FIRE PARTITION (FIRE BARRIER).
- SMOKE PARTITION, INCIDENTAL USE RESISTANT TO SMOKE PASSAGE.
- ONE-HOUR FIRE SEPARATION (CEILING)
- COMMON PATH OF TRAVEL TO EXIT
- PATH OF TRAVEL TO EXIT
- DEAD END

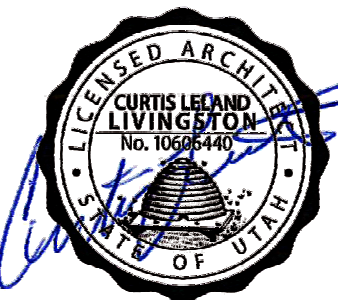
NOTE:

2-HR SEPARATION WALLS SHALL CONSIST OF MASONRY, FIRE RATED DOORS, SMOKE AND FIRE DAMPERS AND ALL OTHER REQUIRED ELEMENTS TO CREATE A COMPLETED FIRE ASSEMBLY.

GENERAL NOTES

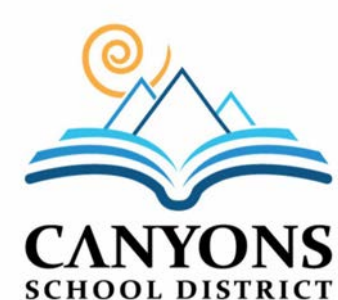
- SEE SHEET G001 FOR ALL RELATED CODE COMPLIANCE INFORMATION.
- FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH PRE-FORMED MINERAL WOOL OR SOLID GROUT. SEE WALL TYPES AND SECTIONS FOR TYPICAL DETAILS.
- THIS PROJECT SHALL BE INSTALLED ACCORDING TO THE LATEST EDITION OF THE FOLLOWING STANDARDS AND AMENDMENTS TO THEM AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
  - IBC (International Building Code)
  - NEC (National Electrical Code)
  - NFPA (National Fire Protection Association)
  - UL (Underwriters Laboratories, Inc.)
  - NEMA (National Electrical manufacturer's Association)
  - IFC (International Fire Code)
  - IECC (International Energy Conservation Code)
  - IEC (International Electrical Code)
  - State and Local Building Authority and Code
- REFER TO SPECIFICATION SECTION 078413-7 THRU 078413-10 FOR PENETRATION AND FIRE STOPPING REQUIREMENTS.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

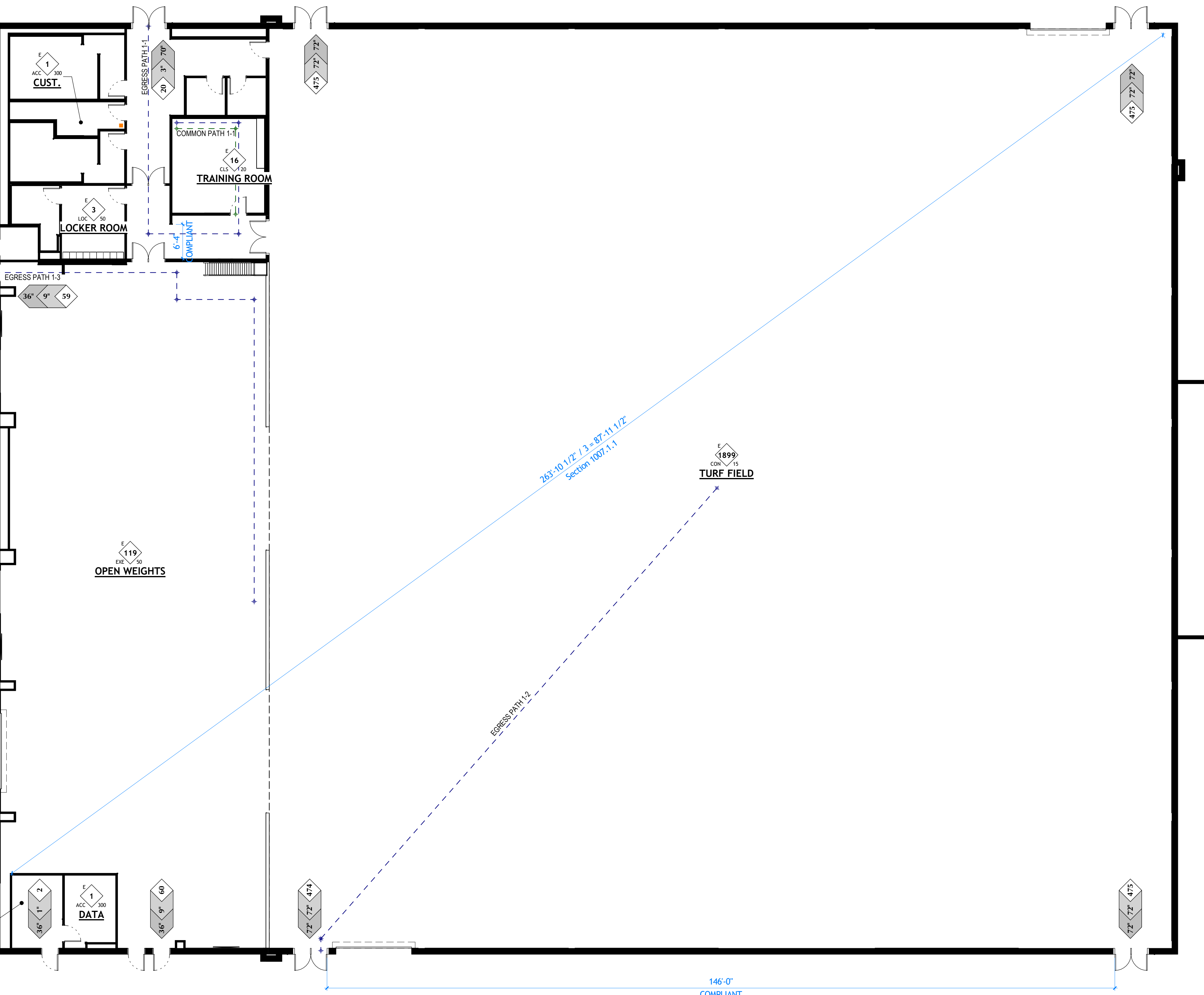
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SHEET TITLE

CODE COMPLIANCE PLAN

SHEET NUMBER

A001





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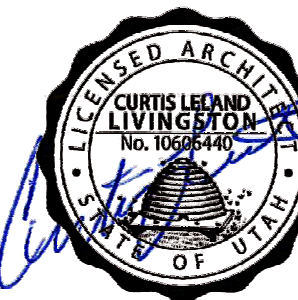
7



233 SOUTH PLEASANT GROVE BLVD.  
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CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

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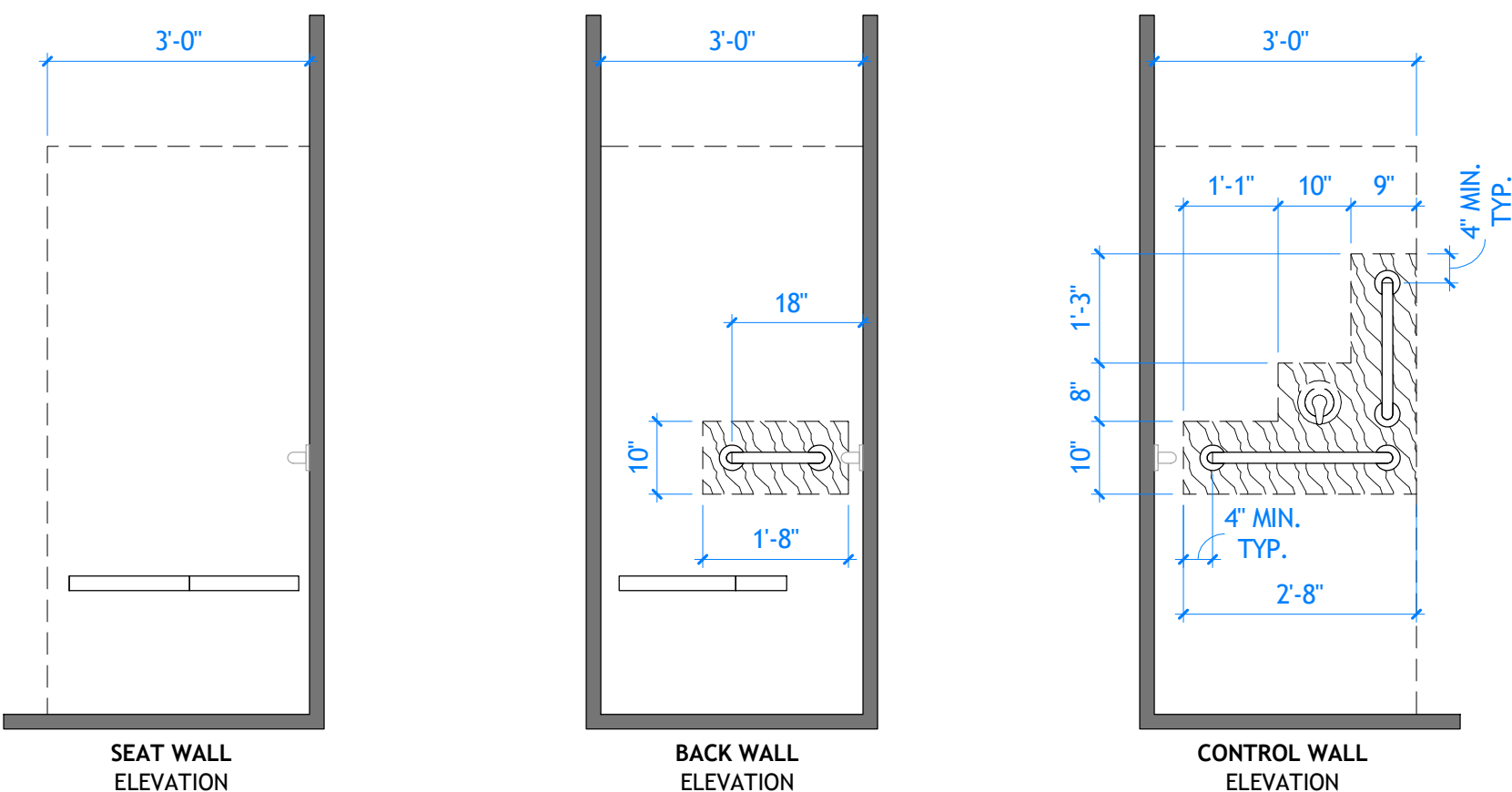
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SHEET TITLE

ACCESSIBILITY COMPLIANCE

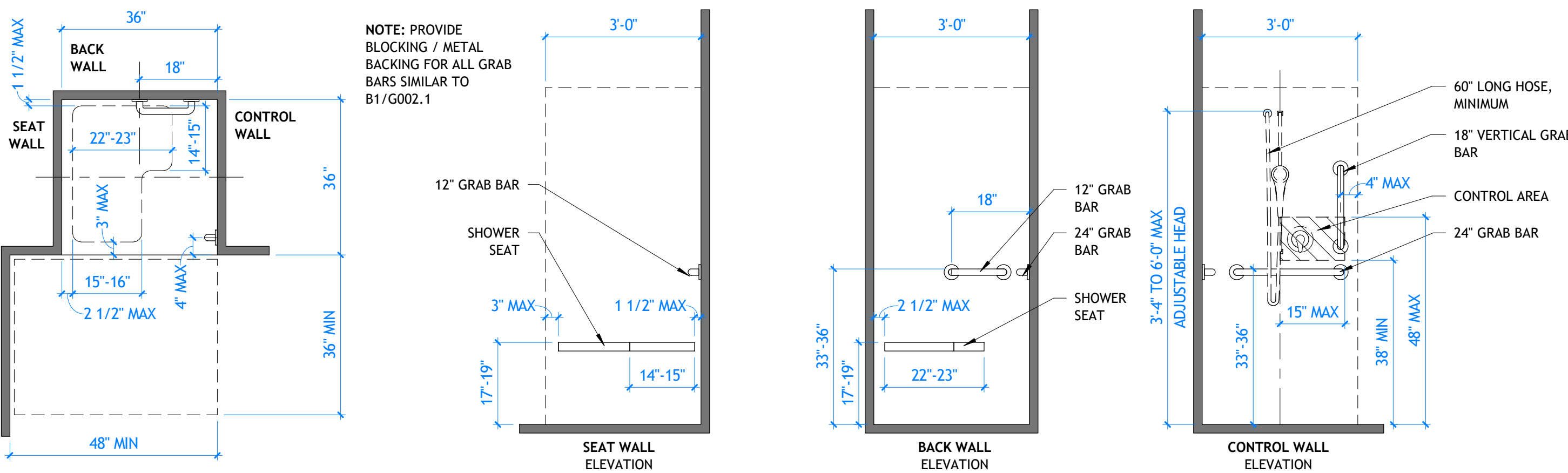
SHEET NUMBER

A003



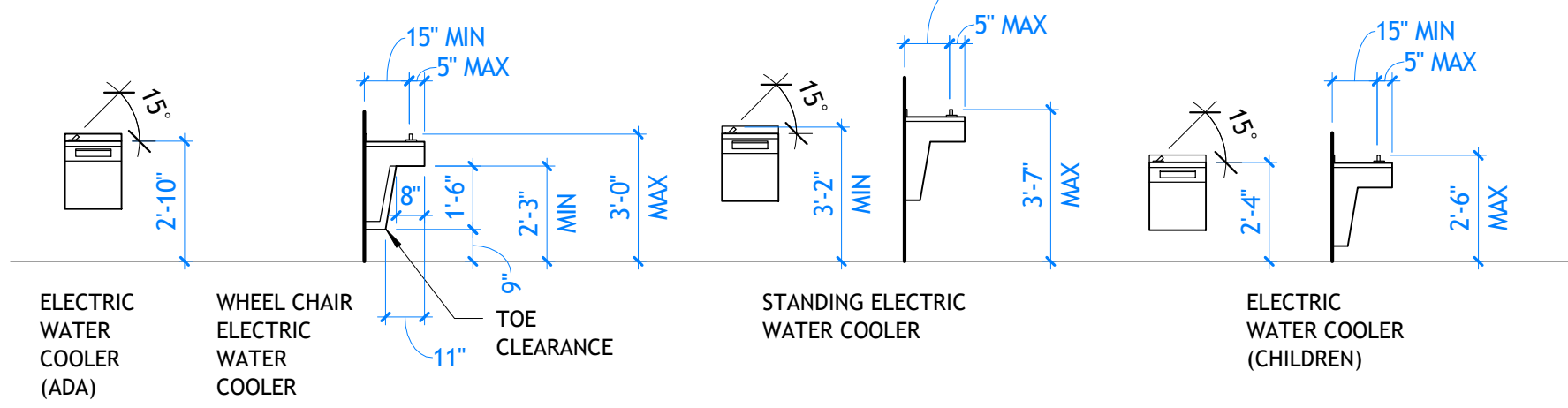
C3 TYPICAL SHOWER ACCESSORY BLOCKING

A003 | SCALE: 1/2" = 1'-0"



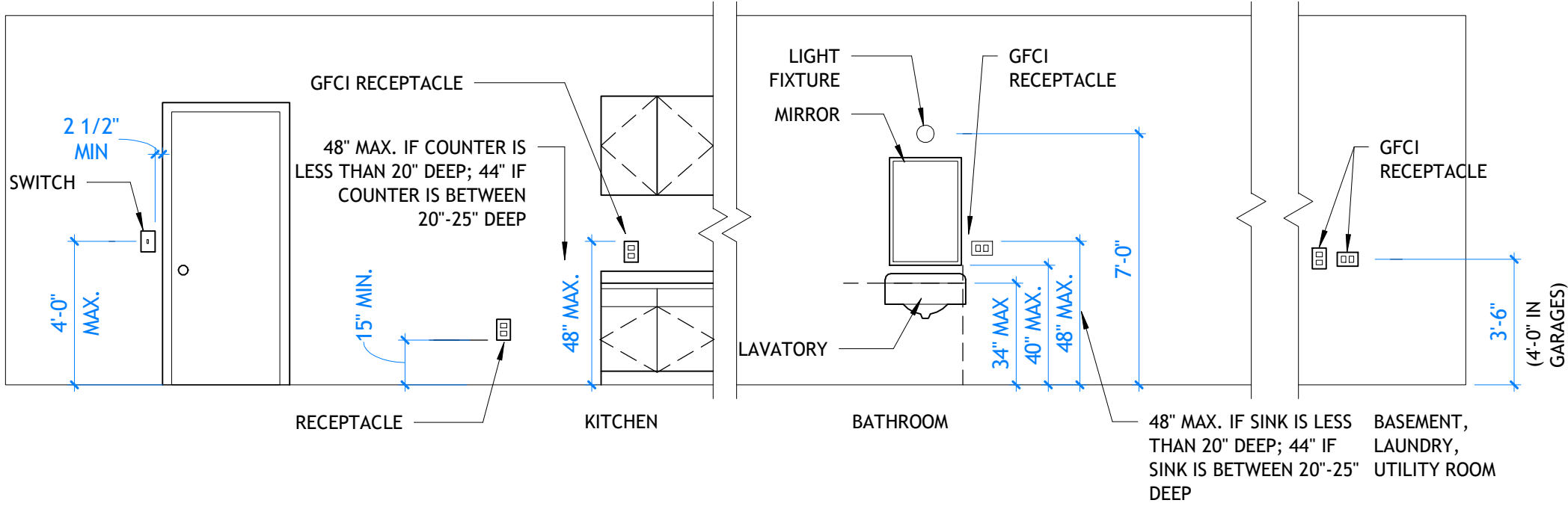
C5 TYPICAL SHOWER ACCESSORY HEIGHTS

A003 | SCALE: 1/2" = 1'-0"



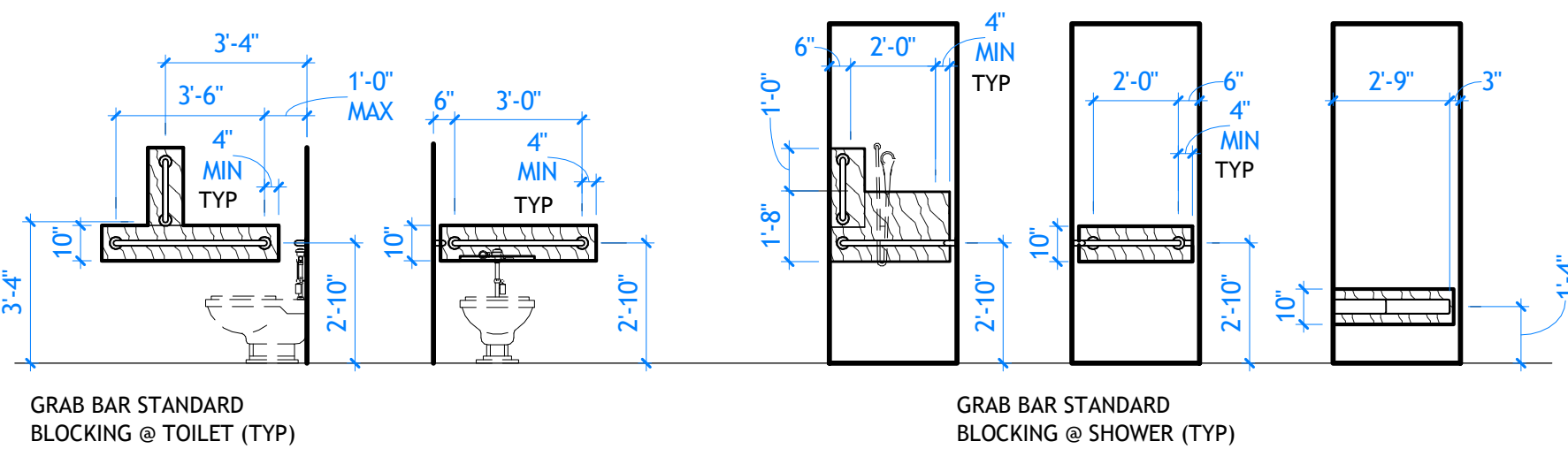
D2 TYPICAL ACCESSORY HEIGHTS

A003 | SCALE: 1/4" = 1'-0"



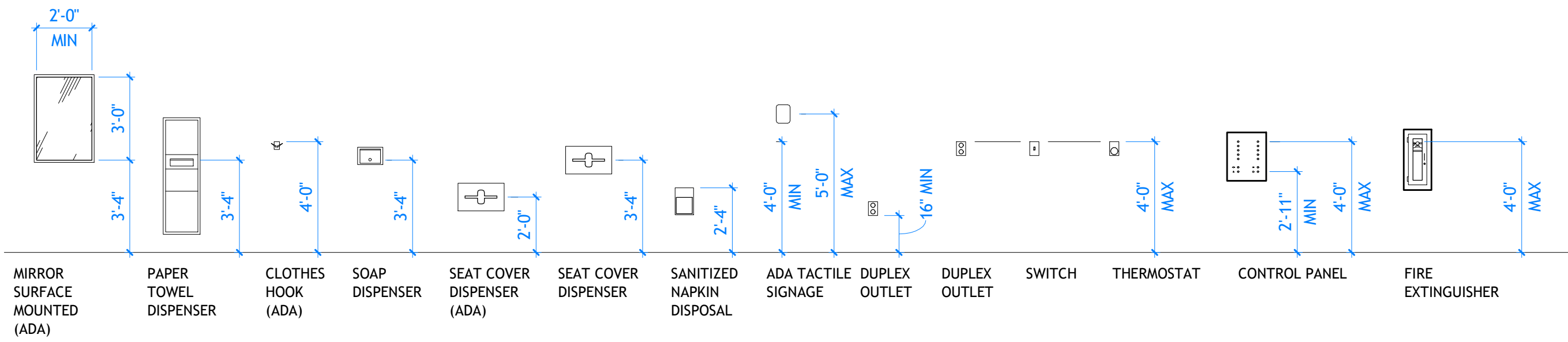
D3 TYPICAL ACCESSORY HEIGHTS

A003 | SCALE: 1/4" = 1'-0"



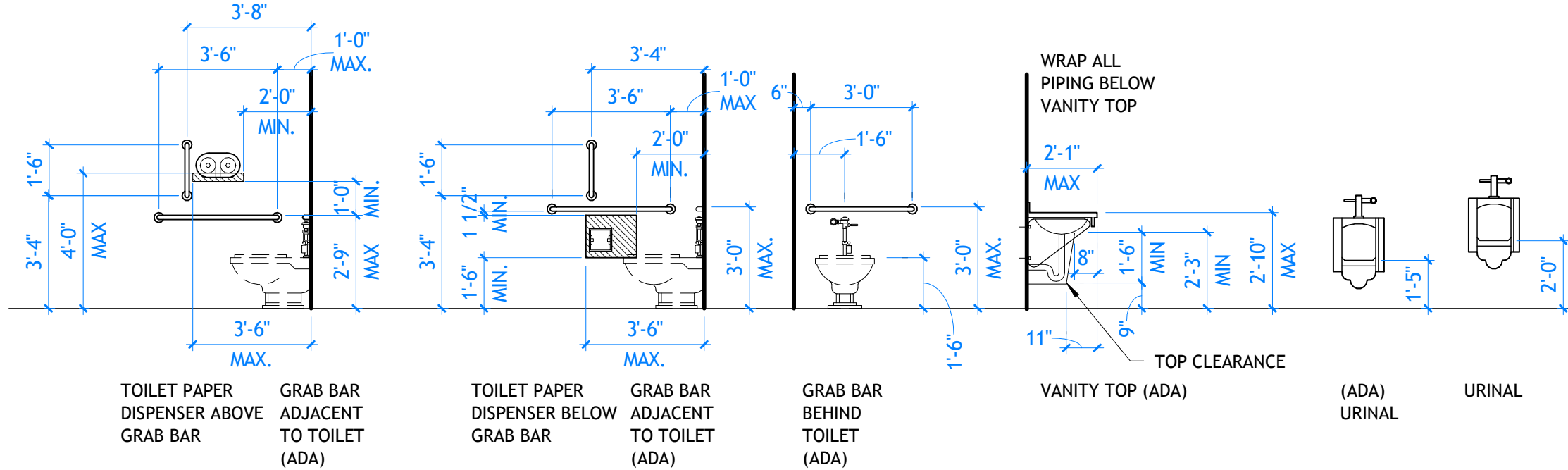
D6 TYPICAL BLOCKING DETAILS

A003 | SCALE: 1/4" = 1'-0"



E3 TYPICAL ACCESSORY HEIGHTS

A003 | SCALE: 1/4" = 1'-0"



E5 TYPICAL ACCESSORY HEIGHTS

A003 | SCALE: 1/4" = 1'-0"



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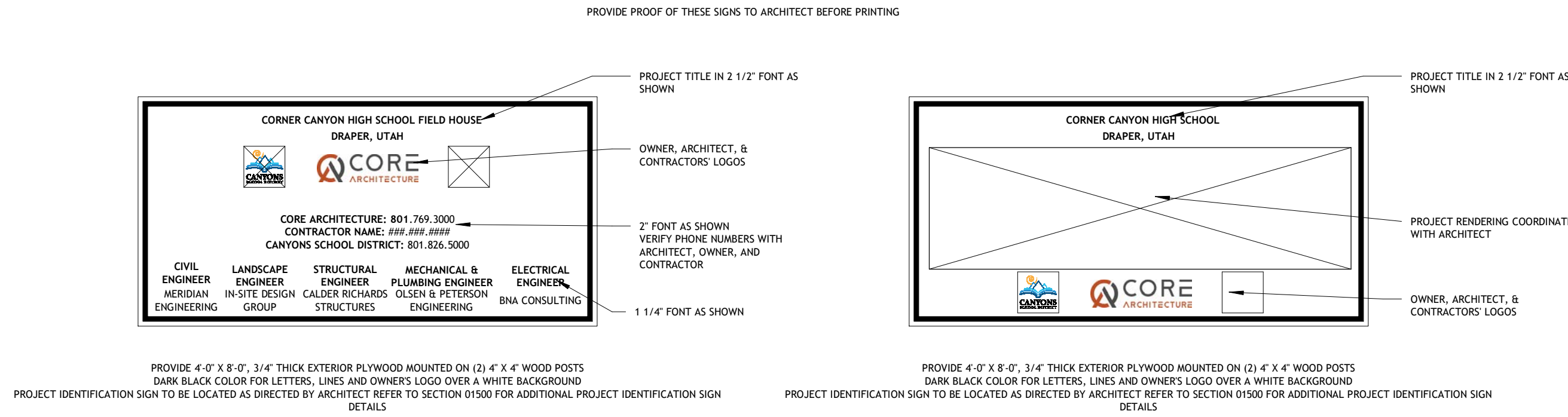
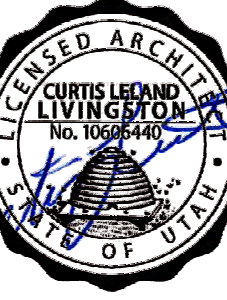
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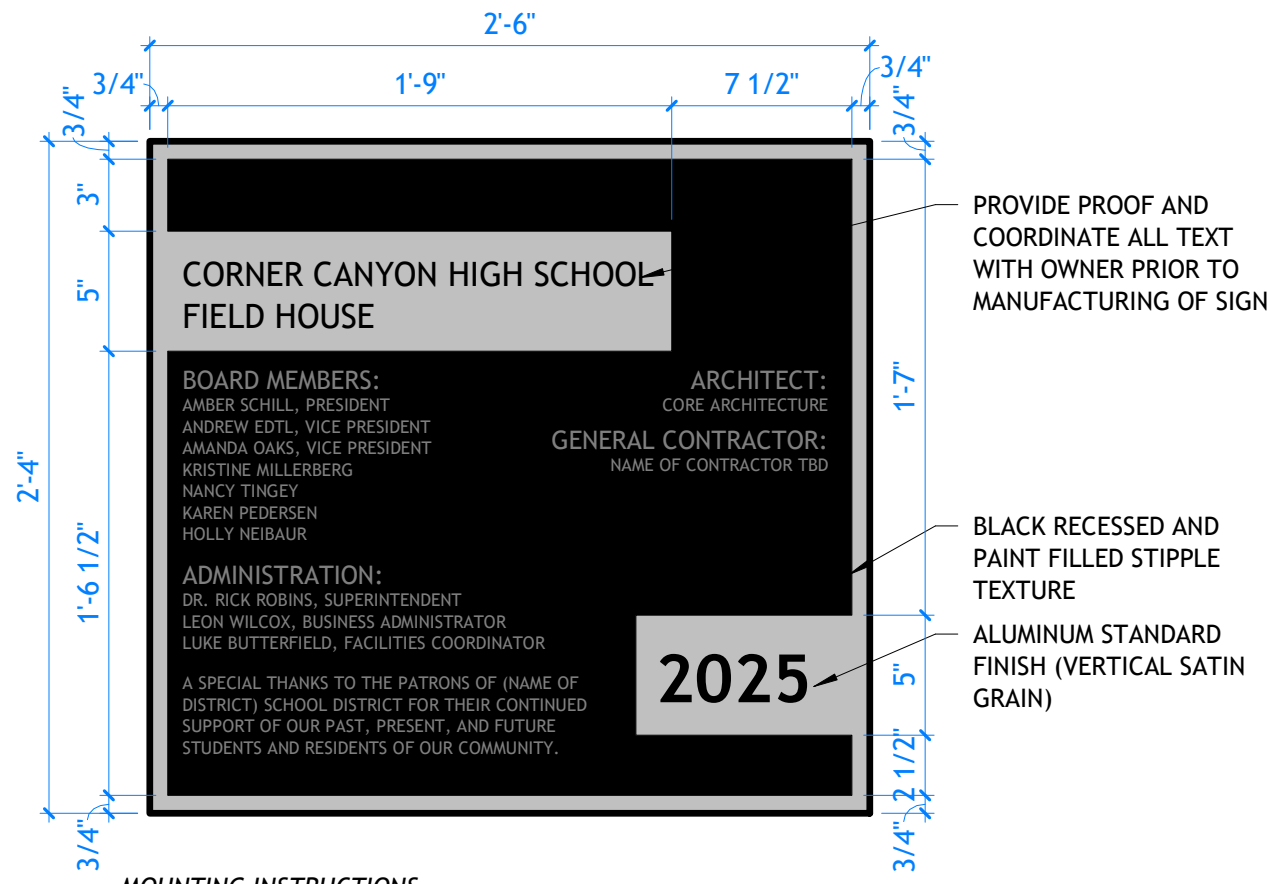
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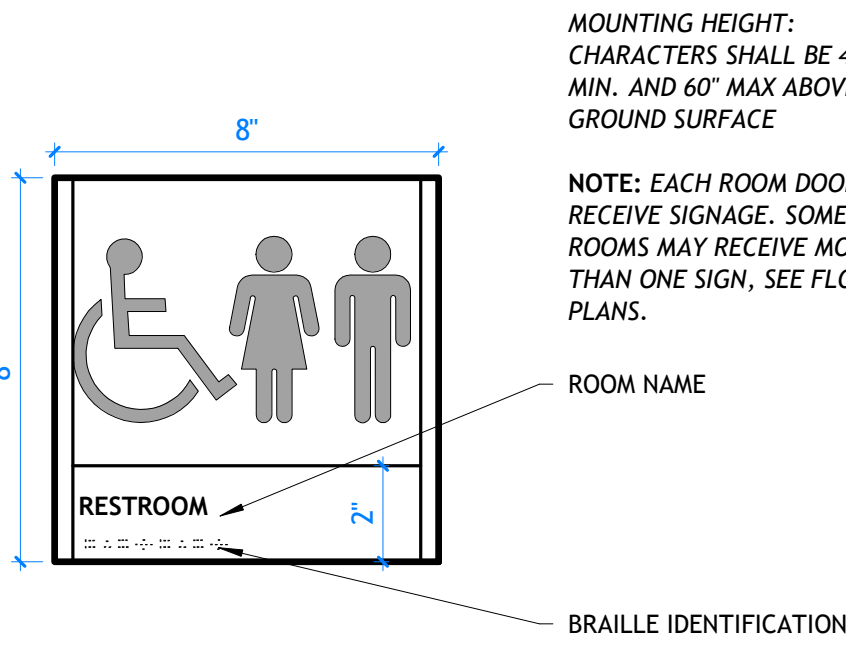
B5 PROJECT IDENTIFICATION SIGNS

A004 | SCALE: 6" = 1'-0"



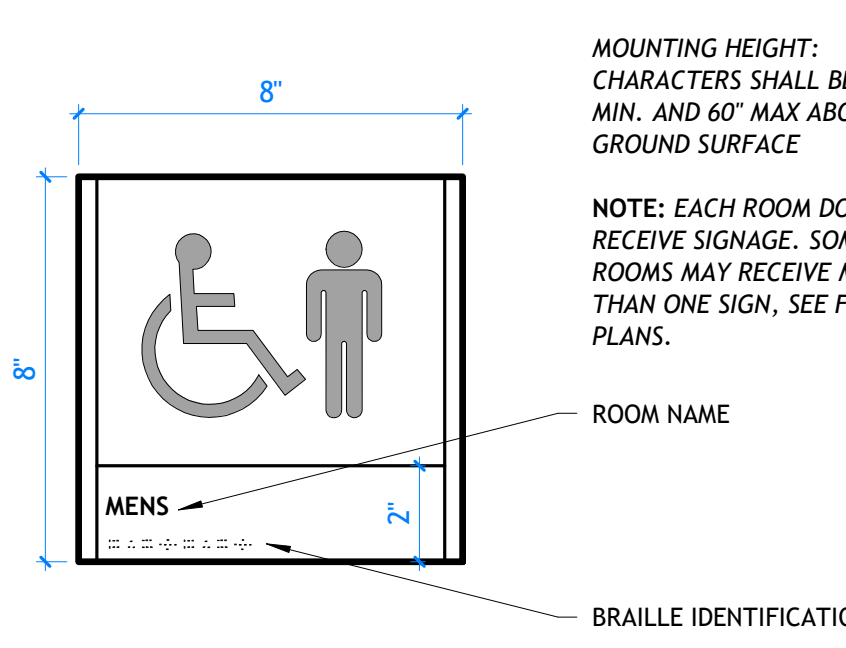
C4 DEDICATION PLAQUE

A004 | SCALE: 1 1/2" = 1'-0"



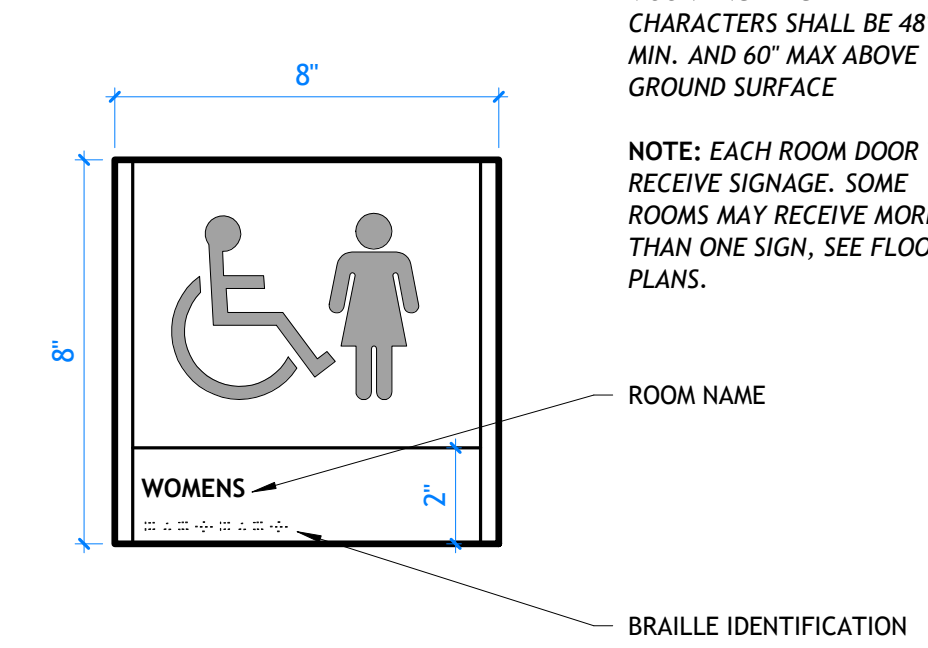
C5 RESTROOM SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



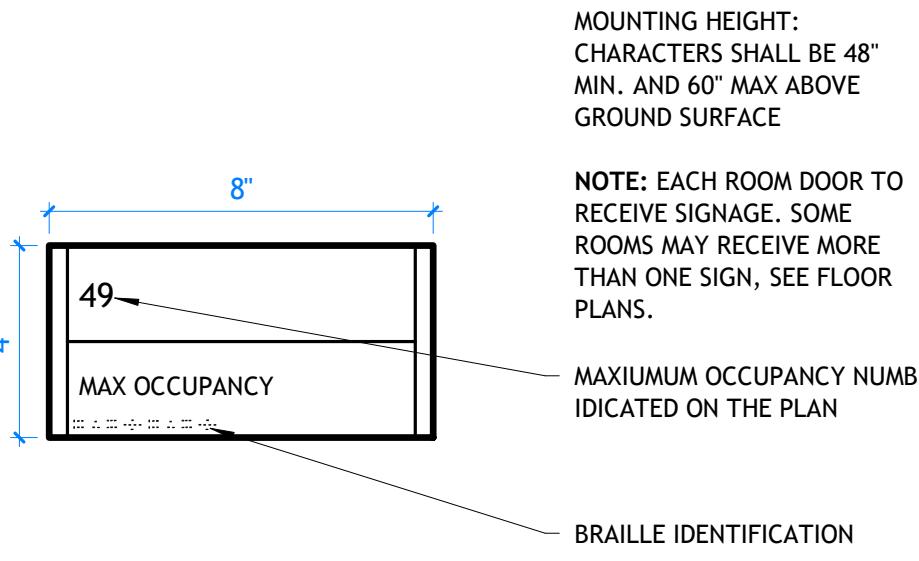
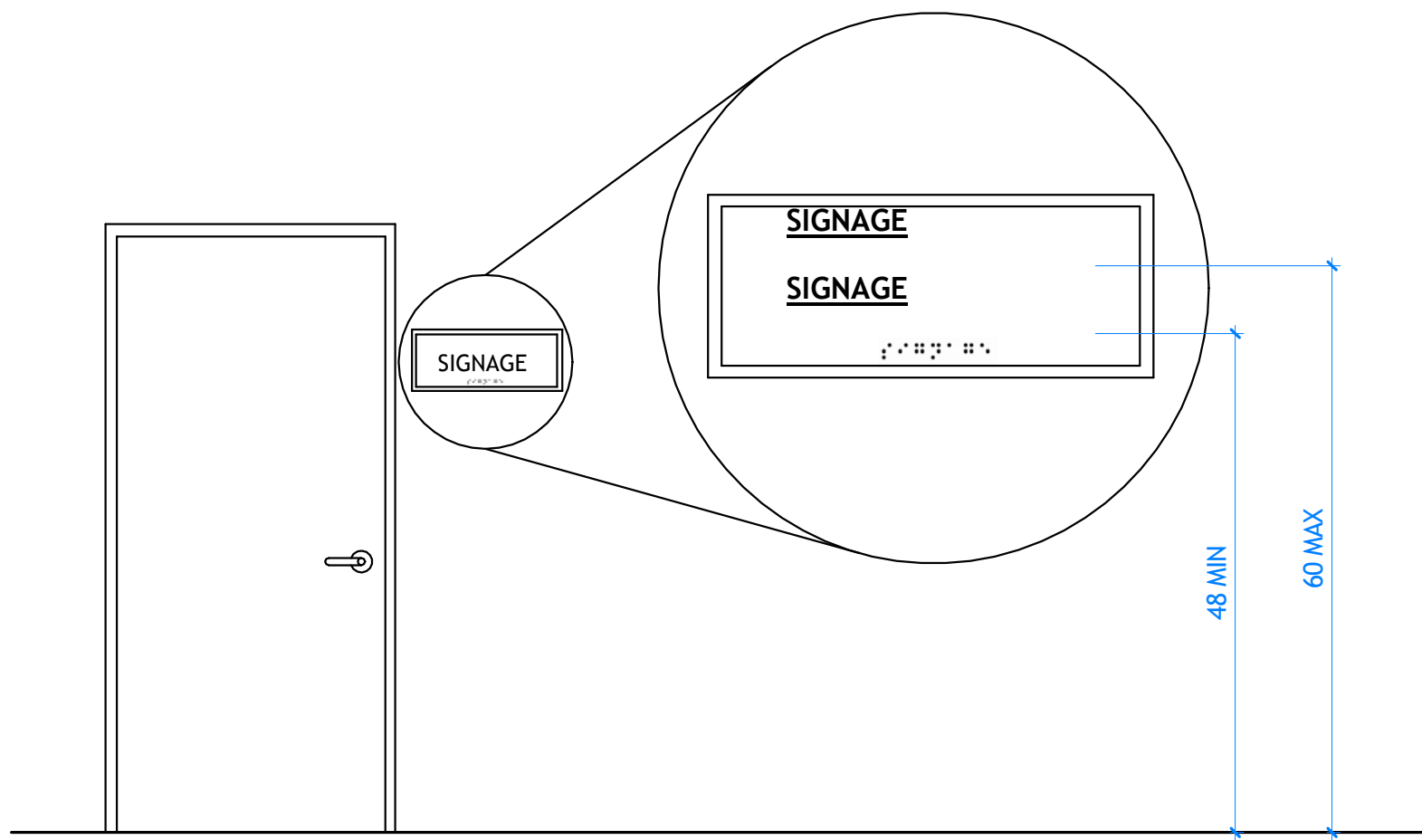
C6 MENS SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



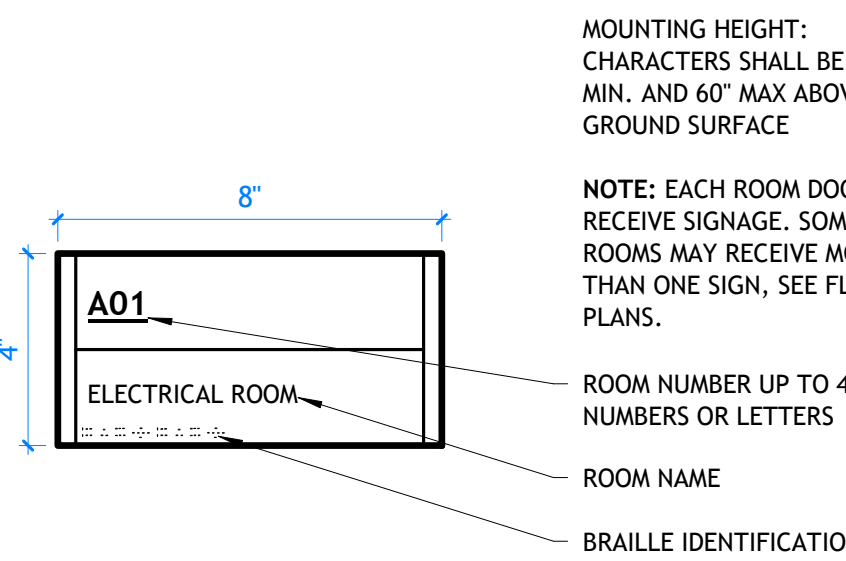
C7 WOMENS SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



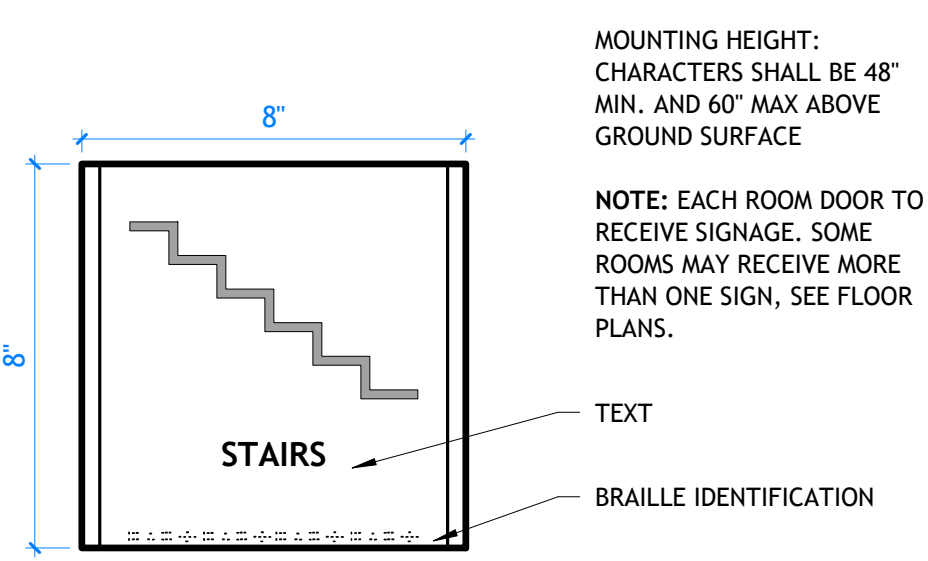
D5 MAX OCC SIGN DETIAL

A004 | SCALE: 3" = 1'-0"



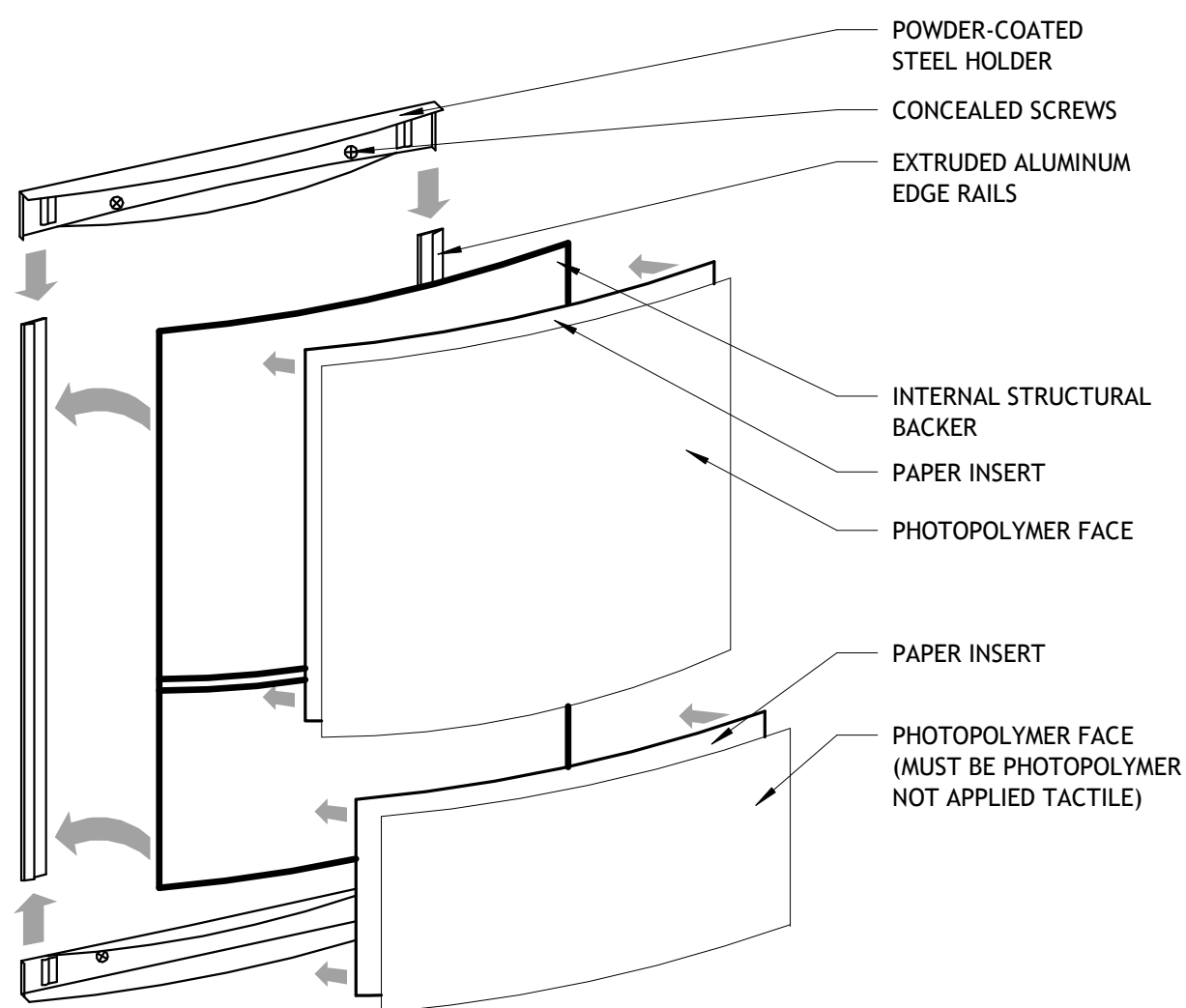
D6 STOR./MECH./ELEC. SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



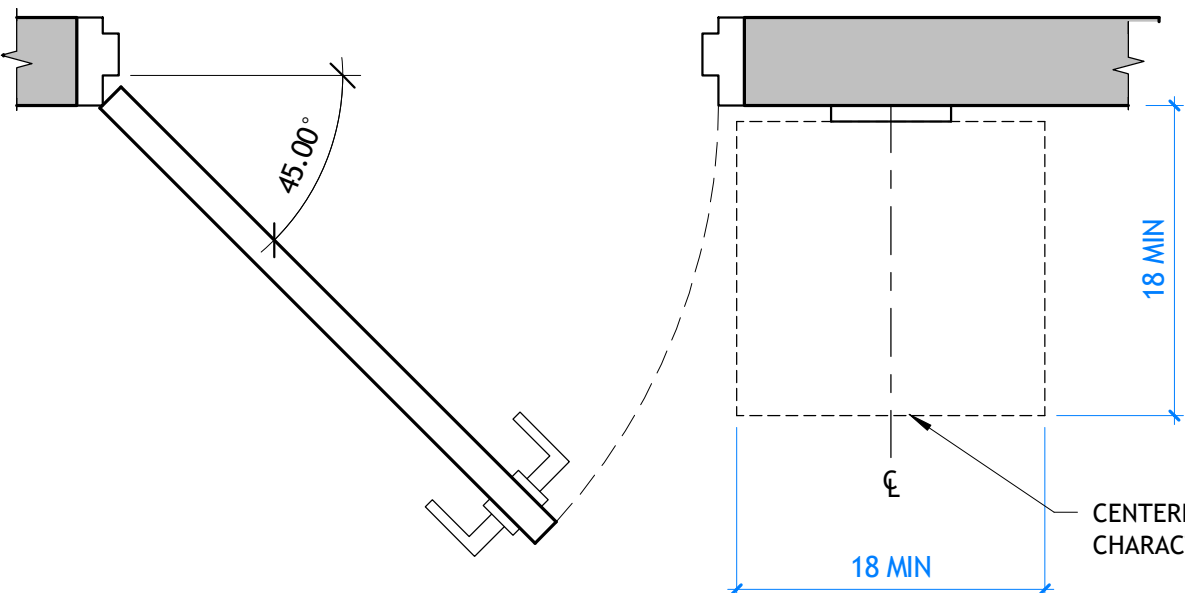
D7 STAIR SIGN

A004 | SCALE: 3" = 1'-0"



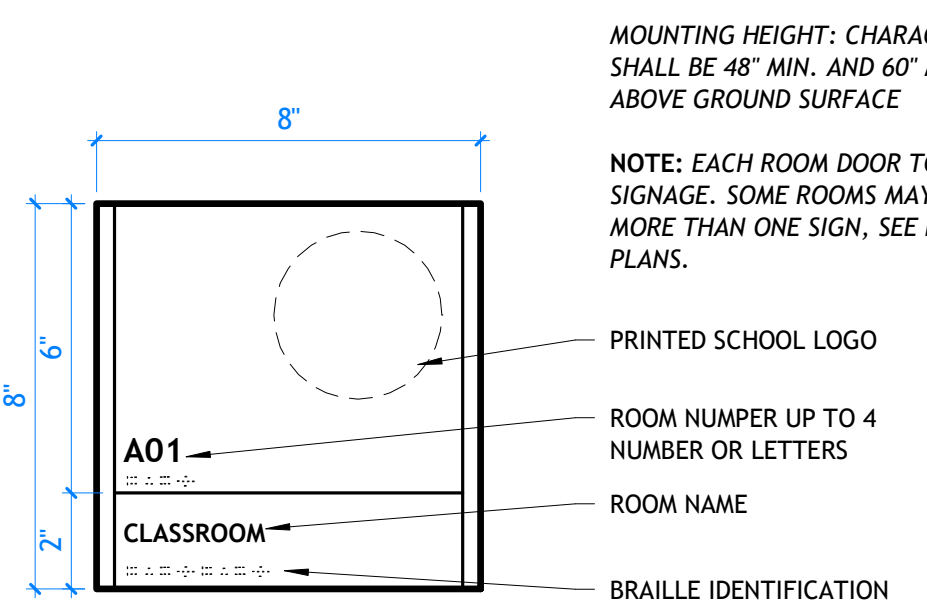
E2 MENS SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



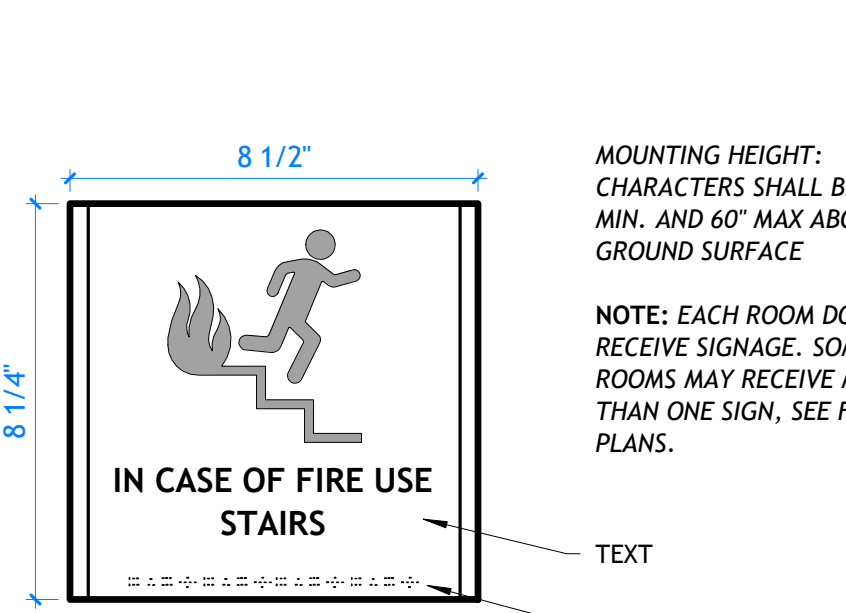
E3 SIGN LOCATION DETAIL

A004 | SCALE: 1/2" = 1'-0"



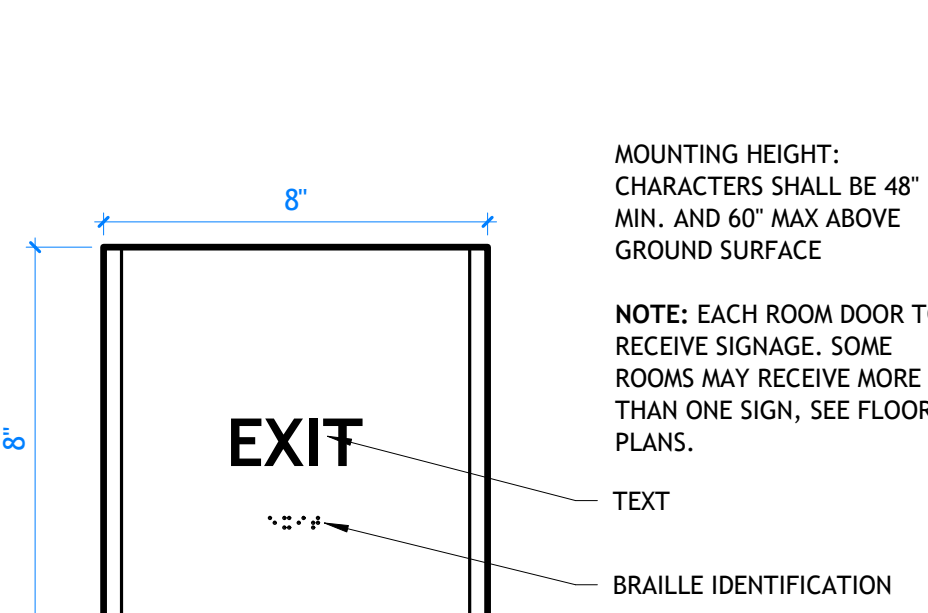
E5 TYPICAL SIGN DETAIL

A004 | SCALE: 3" = 1'-0"



E6 SIGN AT ELEVATOR

A004 | SCALE: 3" = 1'-0"



E7 ADA EXIT SIGN

A004 | SCALE: 3" = 1'-0"

PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
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PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

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SHEET TITLE

ACCESSIBILITY  
COMPLIANCE -  
SIGNAGE

SHEET NUMBER

A004



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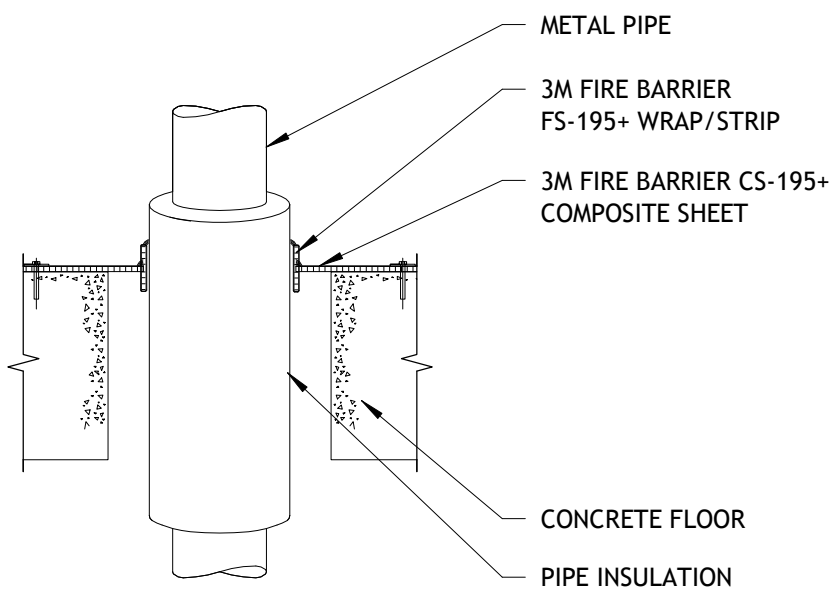
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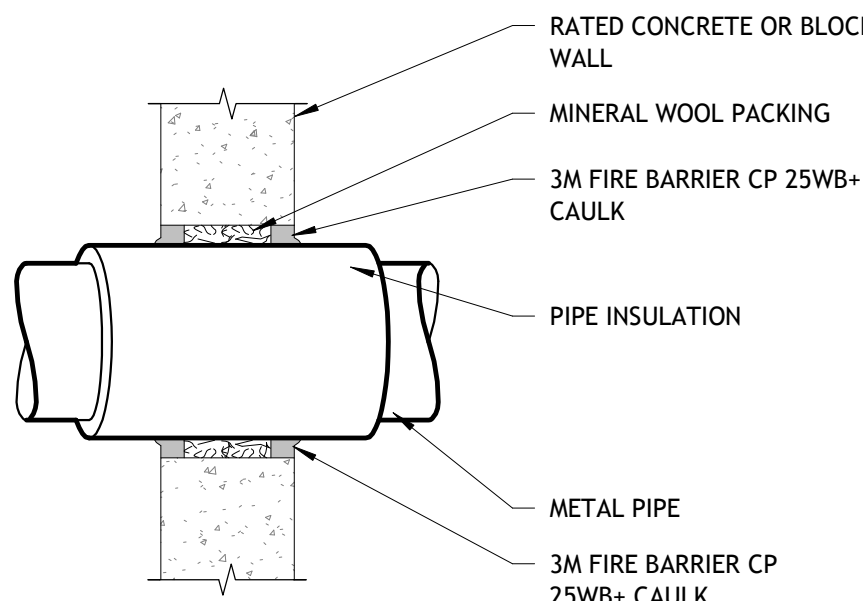
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E



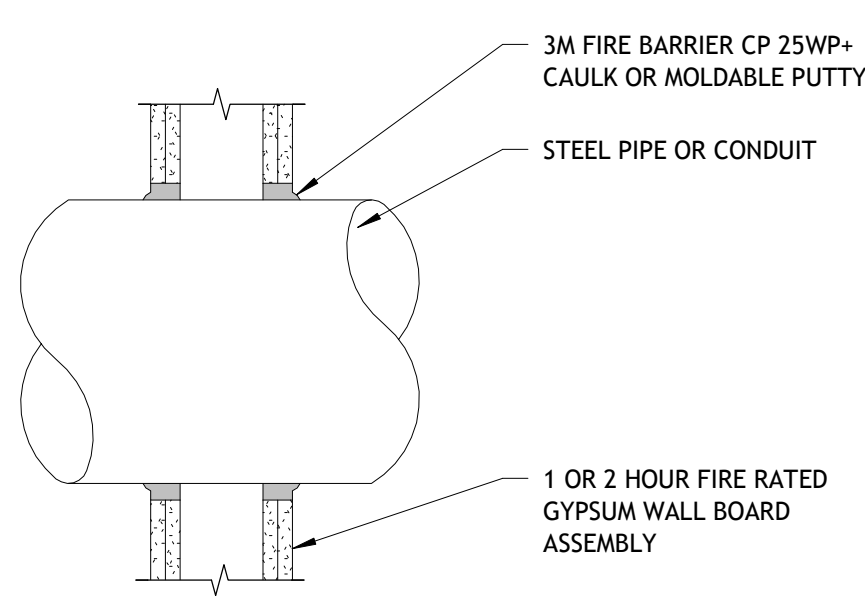
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM CA5030 TYPICAL WHERE OCCURS

**B4** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



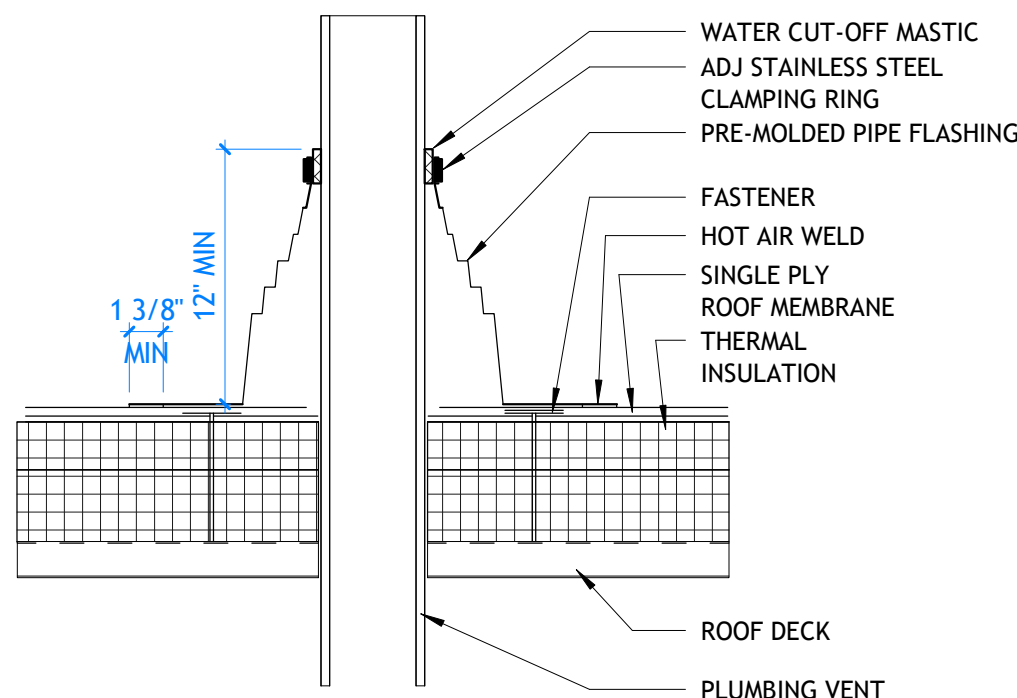
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WJ5014 TYPICAL WHERE OCCURS

**B5** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"

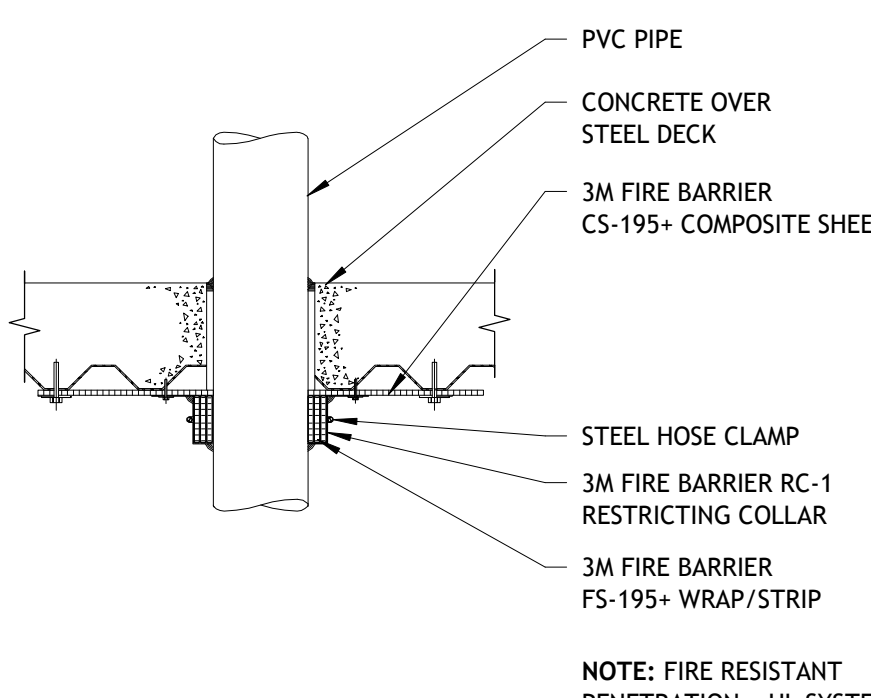


NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL1001 TYPICAL WHERE OCCURS

**B6** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"

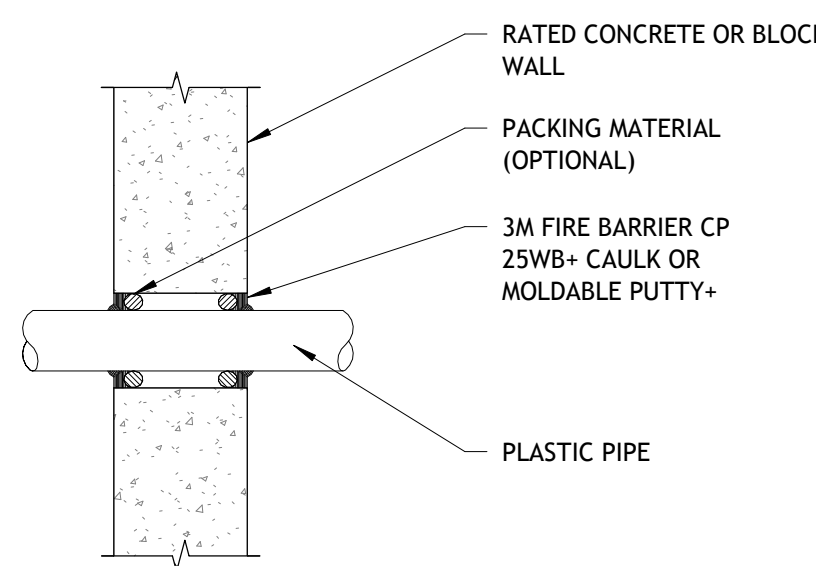


**C3** PIPE PENETRATION & FLASHING  
A005 | SCALE: 1 1/2" = 1'-0"



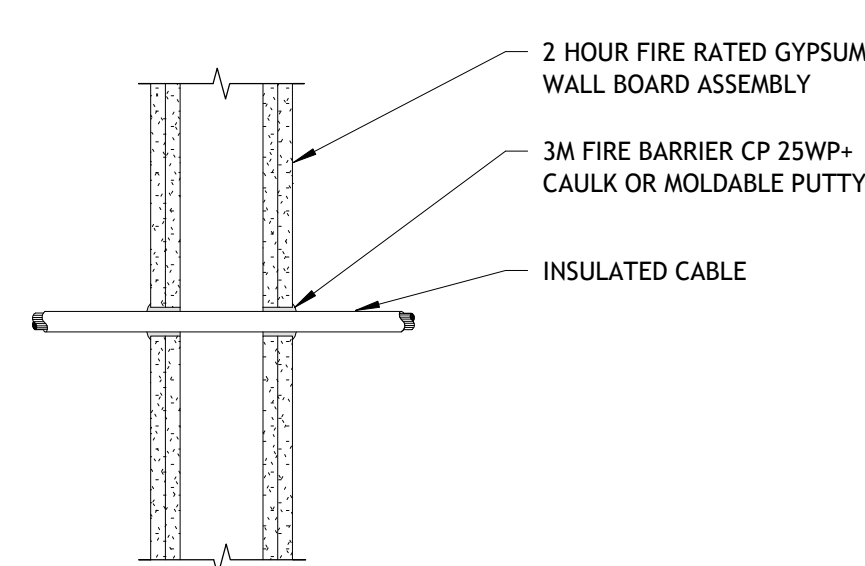
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM FA2002 TYPICAL WHERE OCCURS

**C4** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



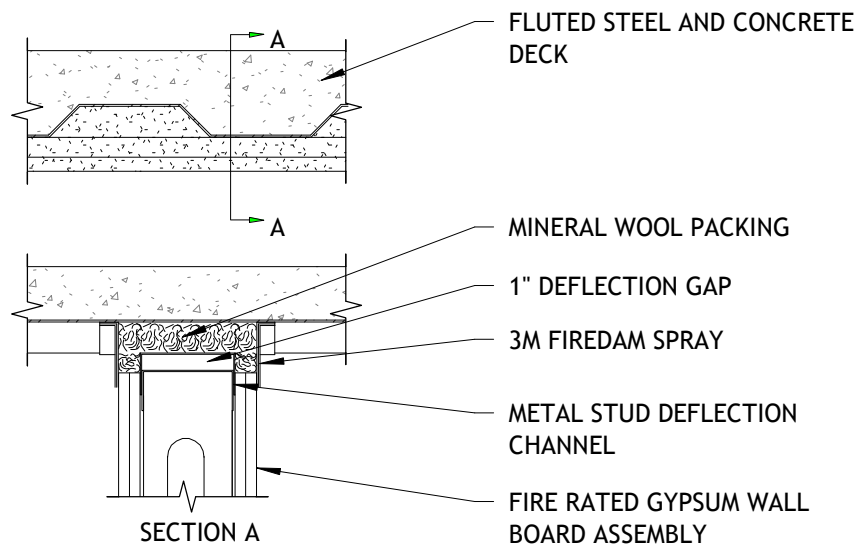
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WJ2029 TYPICAL WHERE OCCURS

**C5** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



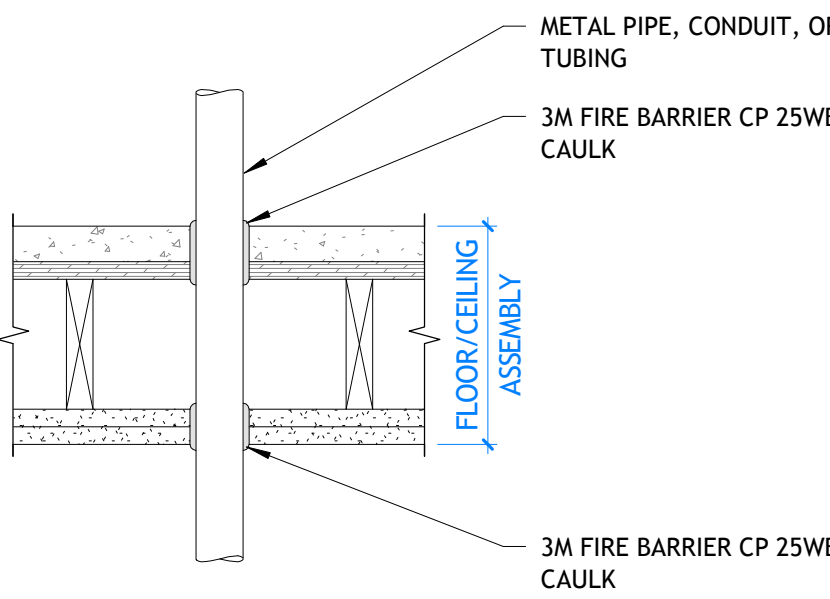
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL3001 TYPICAL WHERE OCCURS

**C6** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



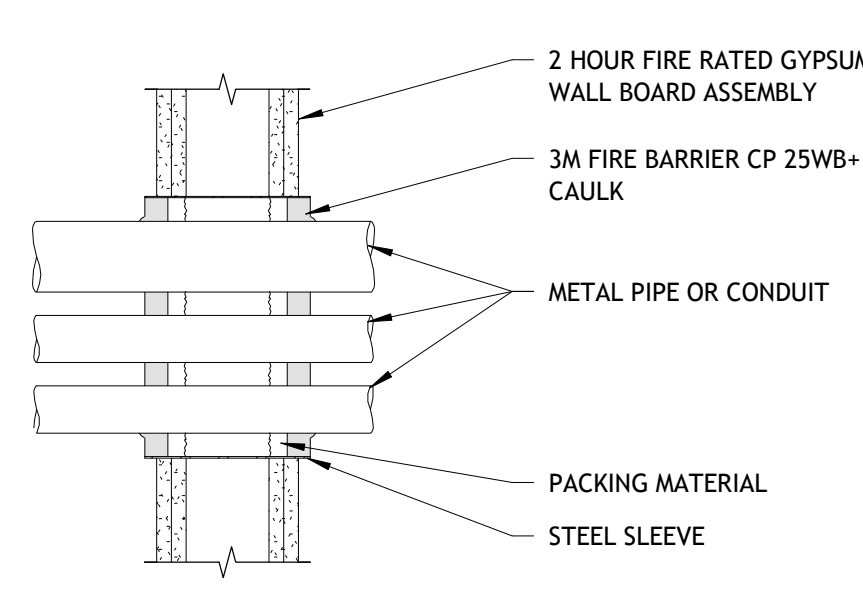
NOTE: FIRE RESISTANT JOINT = UL SYSTEM HWD0031 TYPICAL WHERE OCCURS

**D3** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



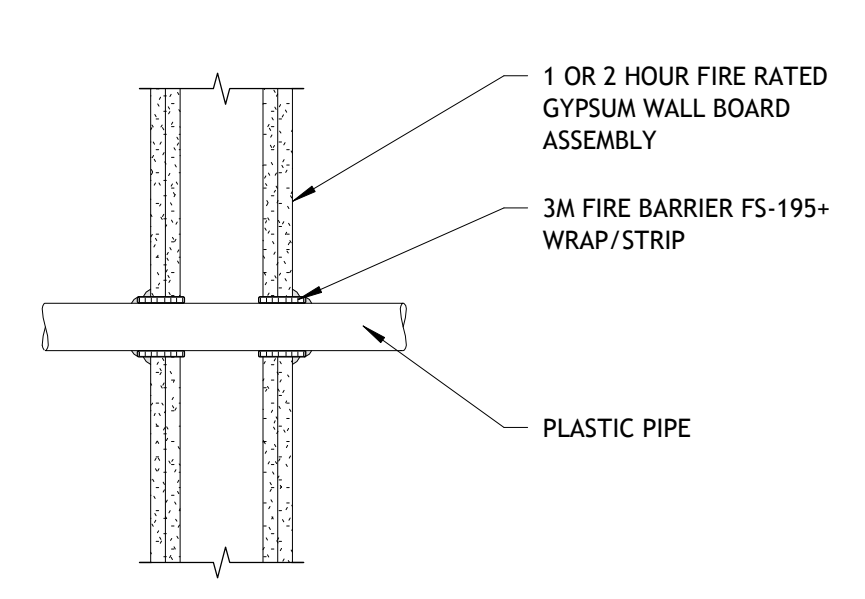
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM FC1002 TYPICAL WHERE OCCURS

**D4** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



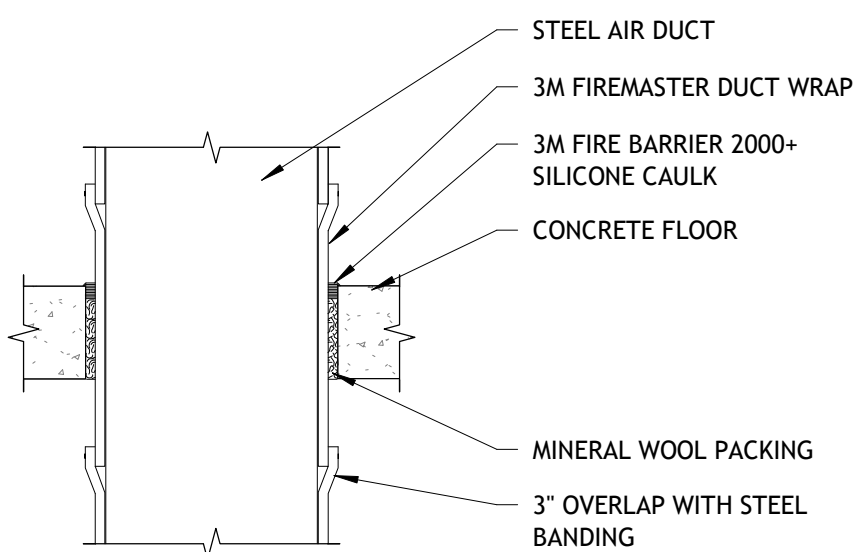
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL1073 TYPICAL WHERE OCCURS

**D5** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



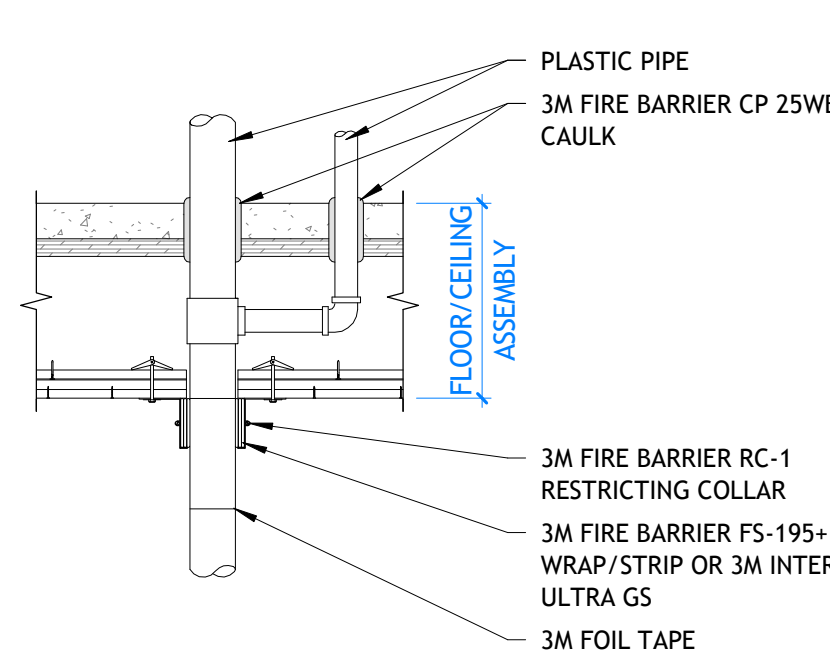
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL2003 TYPICAL WHERE OCCURS

**D6** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



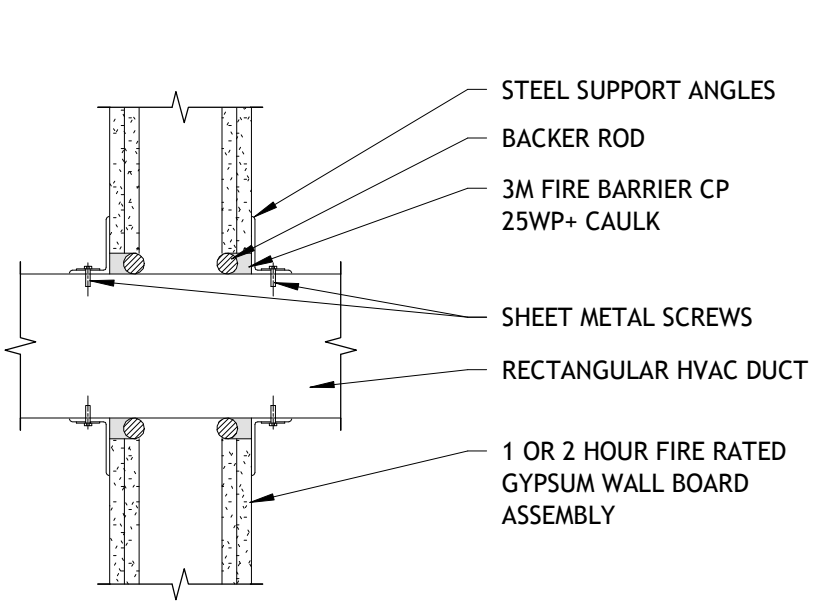
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM CAJ7013 TYPICAL WHERE OCCURS

**E3** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



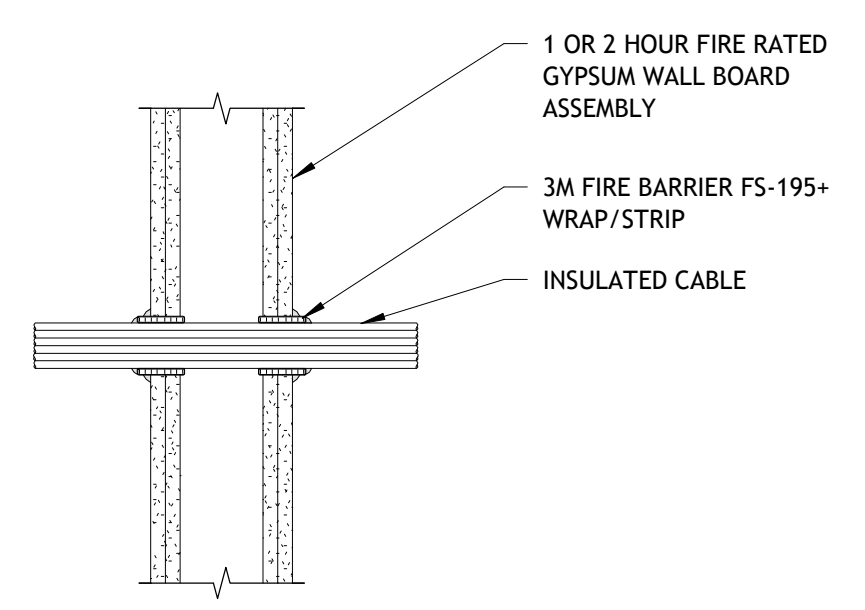
NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM FC2115 TYPICAL WHERE OCCURS

**E4** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL7008 TYPICAL WHERE OCCURS

**E5** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



NOTE: FIRE RESISTANT PENETRATION = UL SYSTEM WL3030 TYPICAL WHERE OCCURS

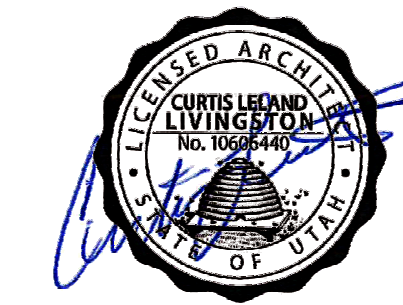
**E6** FIRE PENETRATION  
A005 | SCALE: 1/2" = 1'-0"



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CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
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PIC:	CLL

DRAWING SET STATUS

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SHEET TITLE

FIRE  
PENETRATIONS  
AND JOINT  
DETAILS

SHEET NUMBER

A005

#### GENERAL NOTES

- ALL CAULKING AT PENETRATIONS SHALL MEET THE SAME FIRE RATING AS THE RATED ASSEMBLY IT IS USED.
- COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- SEE SEPARATION LEGEND FOR LOCATIONS OF VERTICAL EXIT ENCLOSURES, SHAFT ENCLOSURES, INCIDENTAL USE SEPARATIONS, DWELLING SEPARATIONS, AND CORRIDORS.
- ALL PENETRATIONS SHALL HAVE AN F-RATING AND A T-RATING EQUAL TO THE RATING FOR THE ASSEMBLY PENETRATED BUT NOT LESS THAN 1-HOUR. (EXCEPTION: FLOOR PENETRATIONS CONTAINED WITHIN THE CAVITY OF A WALL) 2015 IBC 714.4.4.1.1.2.
- FIRESTOPPING DETAILS ARE SHOWN BY 3M. CONSULT SPECIFICATIONS AND CURRENT UNDERWRITERS LABORATORIES "FIRE RESISTANT DIRECTORY" FOR EQUAL MANUFACTURERS AND DETAILS. INSTALL ALL MATERIALS PER MANUFACTURER'S RECOMMENDATIONS.
- ALL FIRE PENETRATION AND JOINT FIRESTOPPING WORK TO BE COMPLETED PRIOR TO THE INSTALLATION OF CEILINGS TO FACILITATE INSPECTION OF WORK.
- ALL CAULKING AND OTHER FIRESTOPPING MATERIALS TO HAVE A PROFESSIONAL CLEAN LOOKING APPEARANCE FOLLOWING INSTALLATION.



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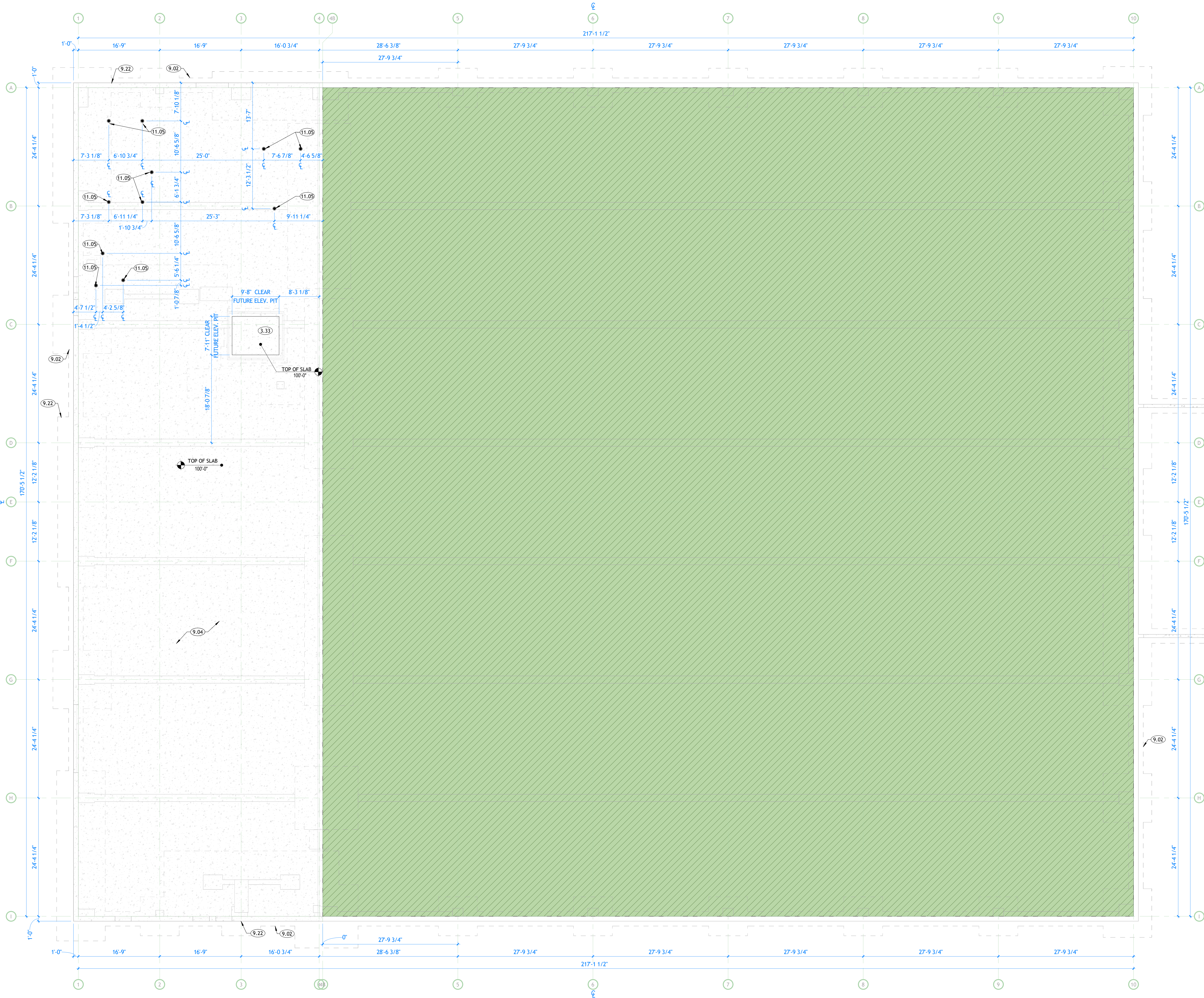
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KEYNOTES

- 3.33 EXCAVATED ELEVATOR PIT TO BE USED FOR POSSIBLE FUTURE USE. EXCAVATE 4'-0" BELOW TOP OF SLAB AND FORM CMU WALLS. FILL IN EXCAVATED PORTION WITH GRAVEL AND POUR SLAB OVER GRAVEL. PROVIDE A SMOOTH AND EVEN FINISH WITH EXISTING FLOOR SLAB. CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING. CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
- 9.02 THICKENED CONCRETE SLAB AT EDGE REINFORCED AS PER STRUCTURAL SHEETS.
- 9.04
- 9.22 FLOOR DRAIN, SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.
- 11.05

RECESSED SLAB LEGEND

- EXCAVATED FOR TURF FIELD- SEE FURNISHING DETAILS

NOTE:

CONTRACTOR SHALL COORDINATE DIMENSIONS ON THESE PLANS WITH FLOOR PLAN DIMENSIONS AND WALL TYPES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO POURING SLABS OR FOUNDATIONS

GENERAL NOTES

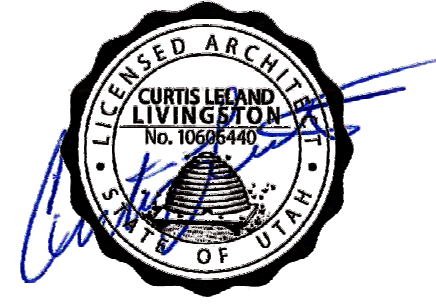
- A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF FOUNDATION WALL OR STRUCTURAL SLAB.
- B. SEE PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
- C. RECOMMENDATIONS FOUND IN GEOTECHNICAL STUDY ARE TO BE FOLLOWED STRICTLY.
- D. SEE STRUCTURAL SHEETS FOR FOUNDATION AND SLAB SIZES AND REINFORCING.
- E. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

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PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

OVERALL SLAB PERIMETER PLAN

SHEET NUMBER

A011



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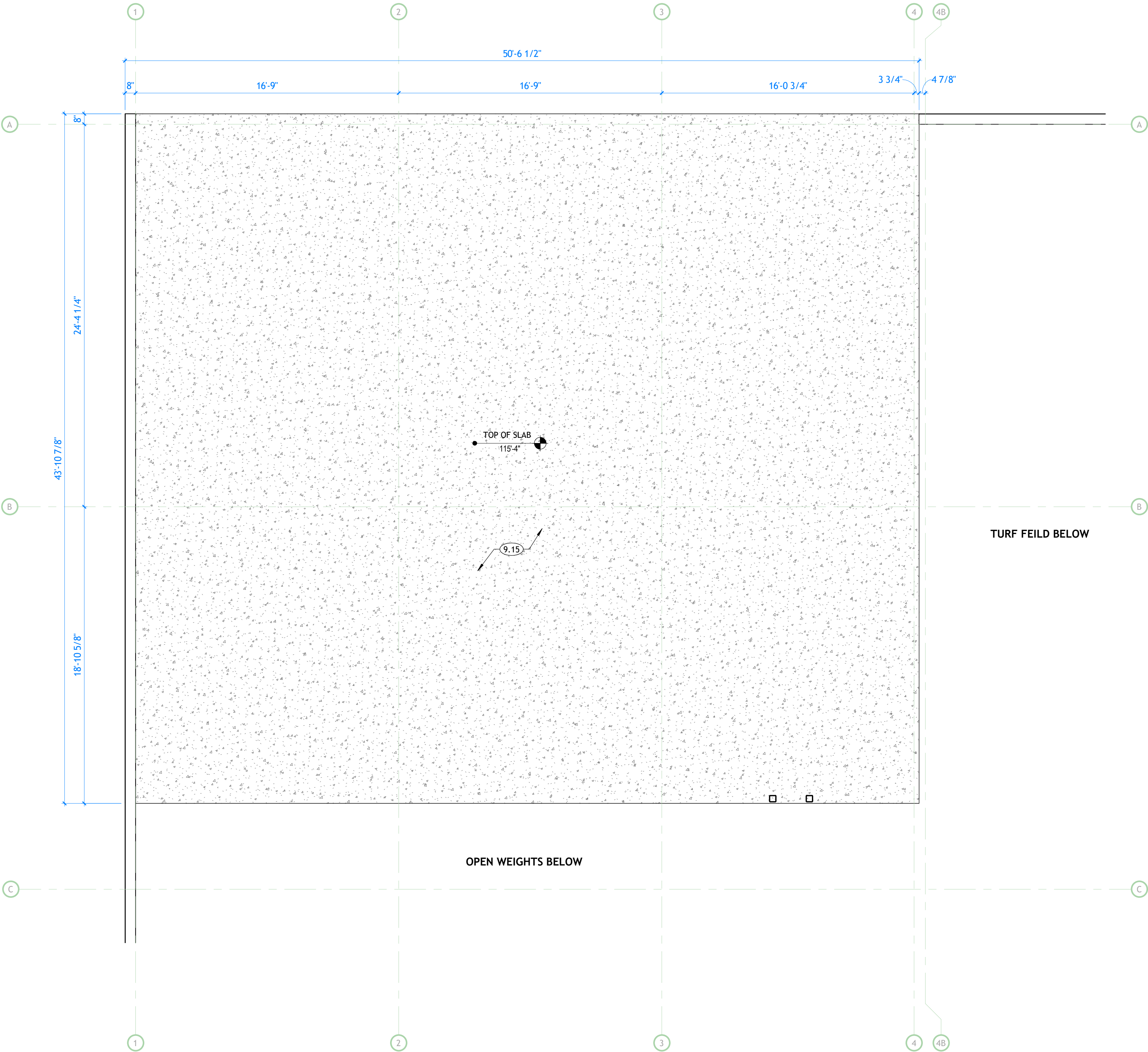
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KEYNOTES

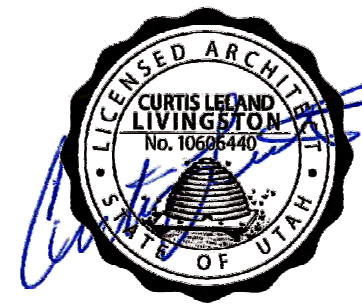
9.15 CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.



233 SOUTH PLEASANT GROVE BLVD.  
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PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

Δ	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

MEZZANINE  
SLAB  
PERIMETER  
PLAN

SHEET NUMBER

A012

RECESSED SLAB LEGEND

— EXCAVATED FOR TURF FIELD- SEE FURNISHING DETAILS

NOTE:

CONTRACTOR SHALL COORDINATE DIMENSIONS ON THESE PLANS WITH FLOOR PLAN DIMENSIONS AND WALL TYPES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO POURING SLABS OR FOUNDATIONS

GENERAL NOTES

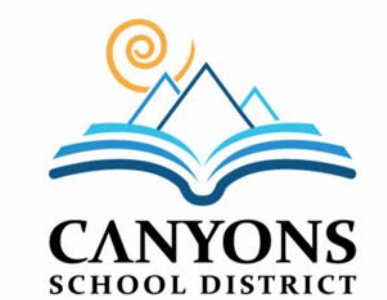
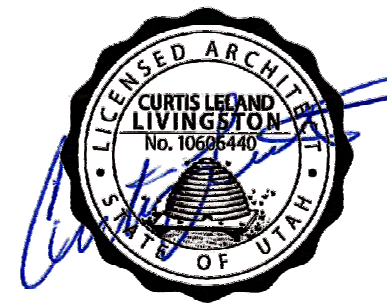
- A. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF FOUNDATION WALL OR STRUCTURAL SLAB.
- B. SEE PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
- C. RECOMMENDATIONS FOUND IN GEOTECHNICAL STUDY ARE TO BE FOLLOWED STRICTLY.
- D. SEE STRUCTURAL SHEETS FOR FOUNDATION AND SLAB SIZES AND REINFORCING.
- E. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.



MEZZANINE SLAB PLAN

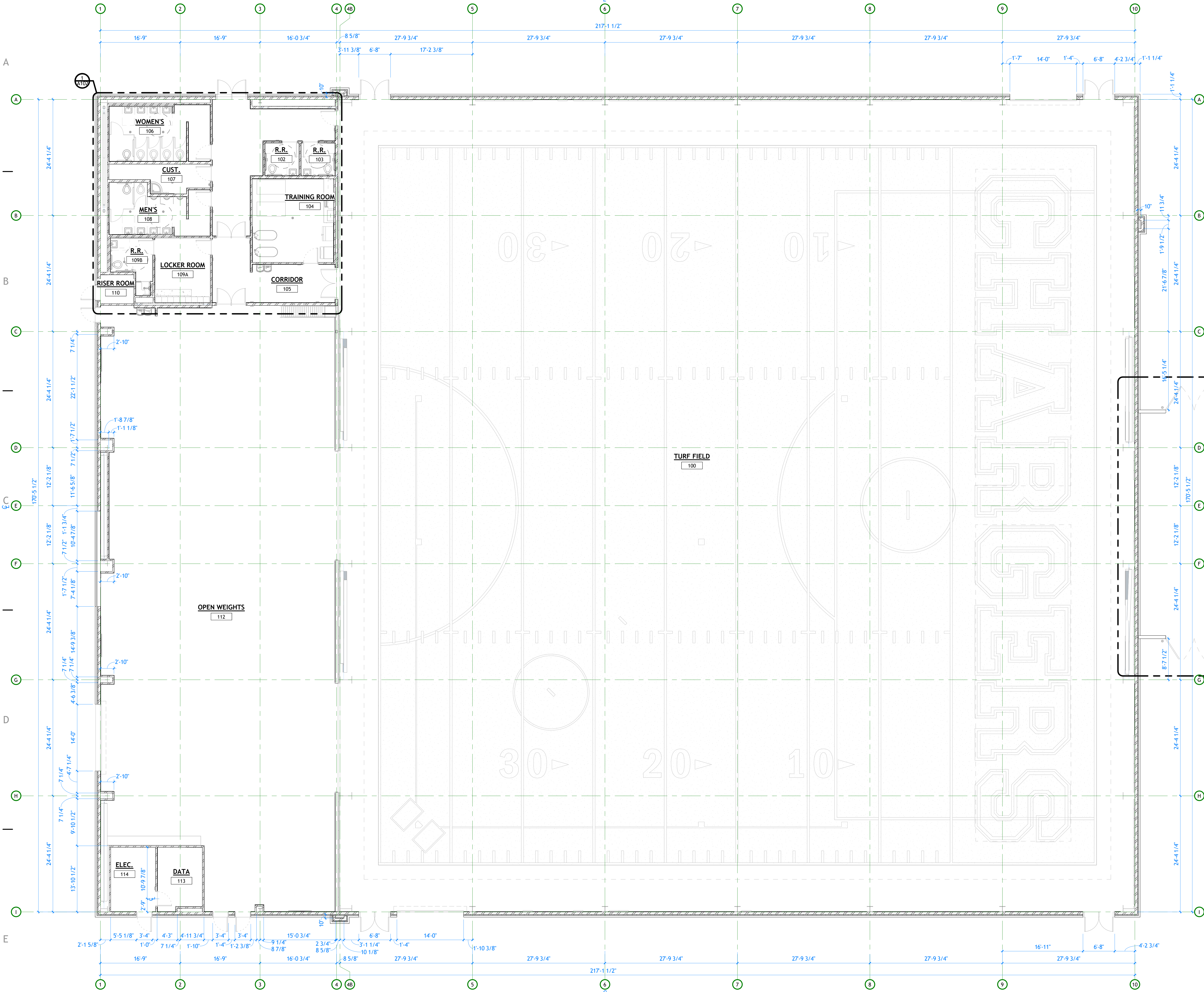
A012 | SCALE: 1/4" = 1'-0"





DESCRIPTION	DATE

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL



FLOOR PLAN - DIMENSION - MAIN FLOOR PLAN  
A101 | SCALE: 1/8" = 1'-0"

GENERAL NOTES

- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD.
- ALL COLORS SELECTIONS AND FINISH MATERIALS AND STYLES SHALL BE COORDINATED WITH OWNER.
- LOCATE DOOR JAMBS 4" FROM FACE OF STUD. U.N.O.
- SEE SHEET A151 FOR REFLECTED CEILING PLAN.
- SEE SHEET A101 FOR FINISH INFORMATION.
- SEE A601 FOR DOOR AND WINDOW INFORMATION.
- GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- SEE G004 FOR WALL TYPES.
- PROVIDE BACKING FOR WALL MOUNTED ITEMS AND EQUIPMENT.
- NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
- FLOOR LINE: REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
- VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
- DO NOT SCALE DRAWINGS.



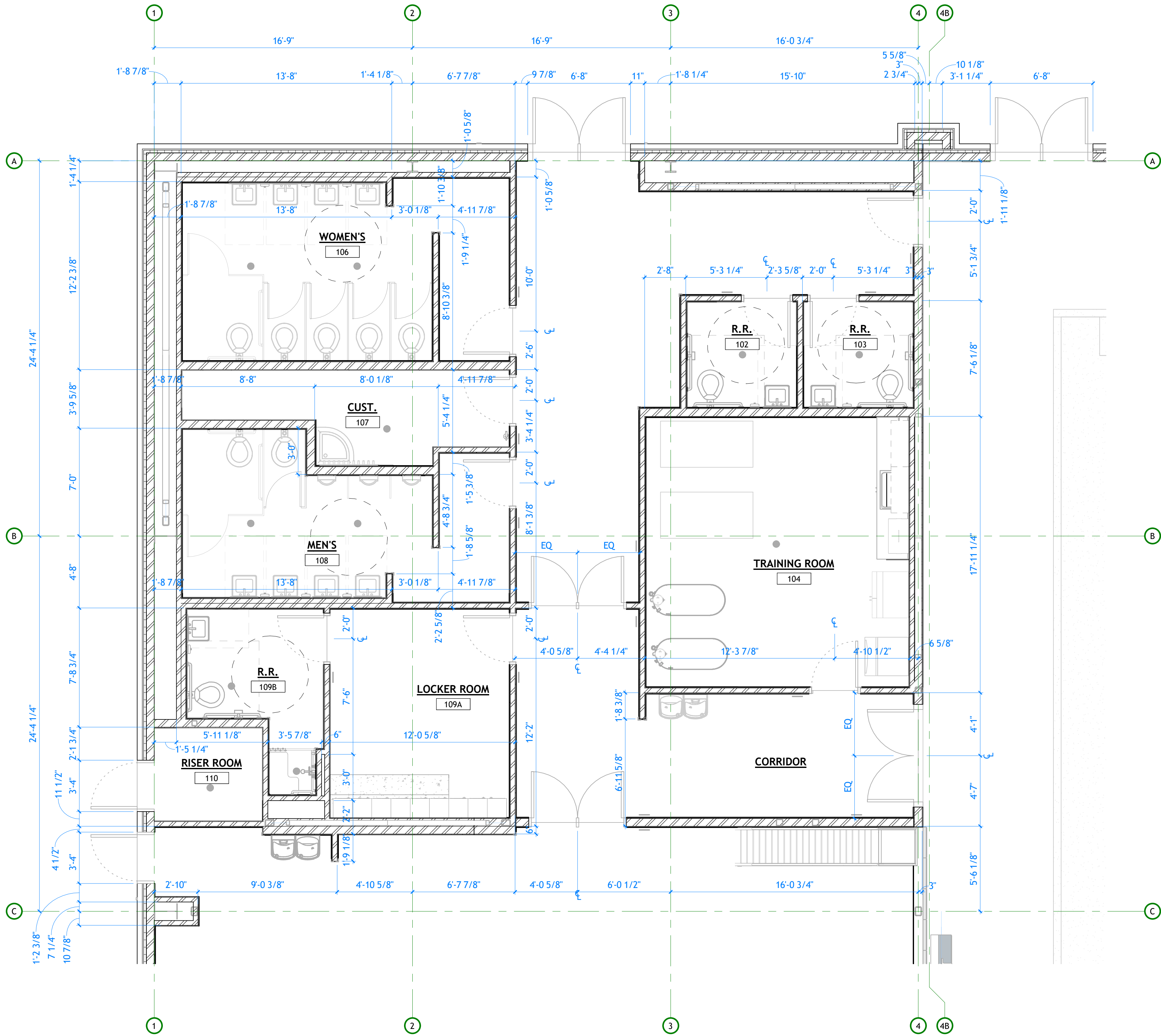
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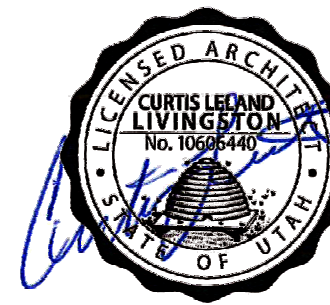


KEYNOTES

GENERAL NOTES

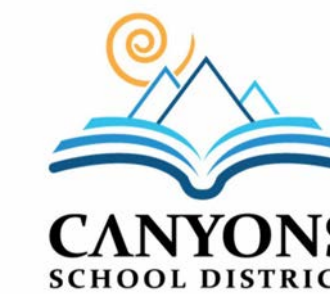
- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- D. DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD.
- E. ALL COLORS SELECTIONS AND FINISH MATERIALS AND STYLES SHALL BE COORDINATED WITH OWNER.
- F. LOCATE DOOR JAMBS 4" FROM FACE OF STUD. U.N.O.
- G. SEE SHEET A151 FOR REFLECTED CEILING PLAN.
- H. SEE SHEET A101 FOR FINISH INFORMATION.
- I. SEE A601 FOR DOOR AND WINDOW INFORMATION.
- J. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- K. SEE G004 FOR WALL TYPES.
- L. PROVIDE BACKING FOR WALL MOUNTED ITEMS AND EQUIPMENT.
- M. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
- N. FLOOR LINE REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
- O. VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
- P. DO NOT SCALE DRAWINGS.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

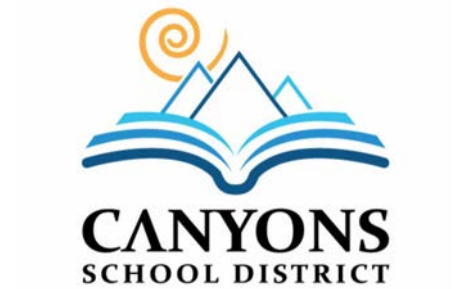
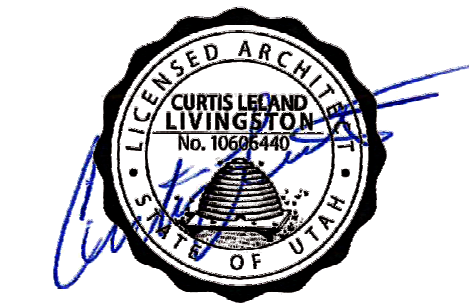
SHEET TITLE

ENLARGED  
MAIN FLOOR  
DIMENSION  
PLAN

SHEET NUMBER

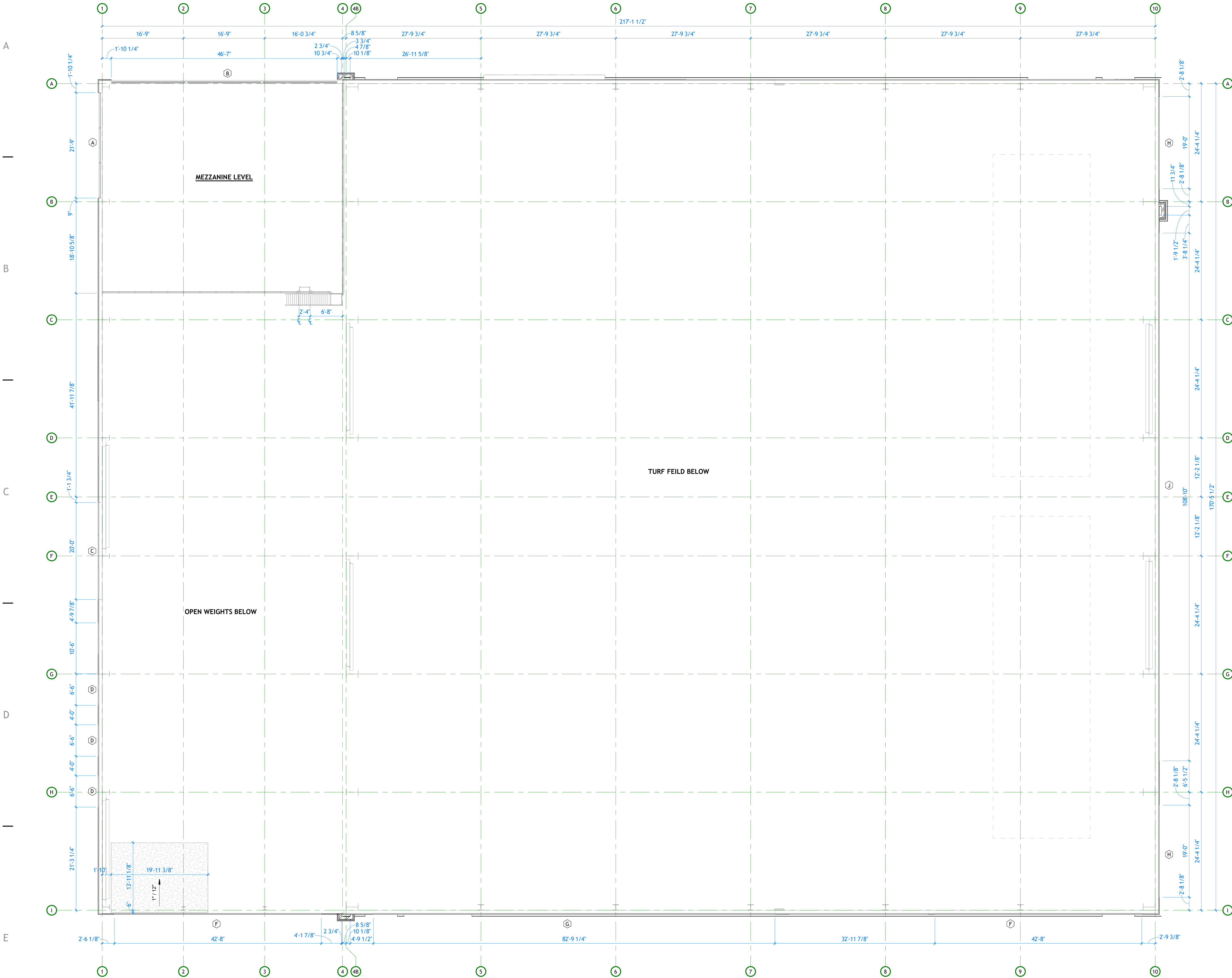
A102





REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

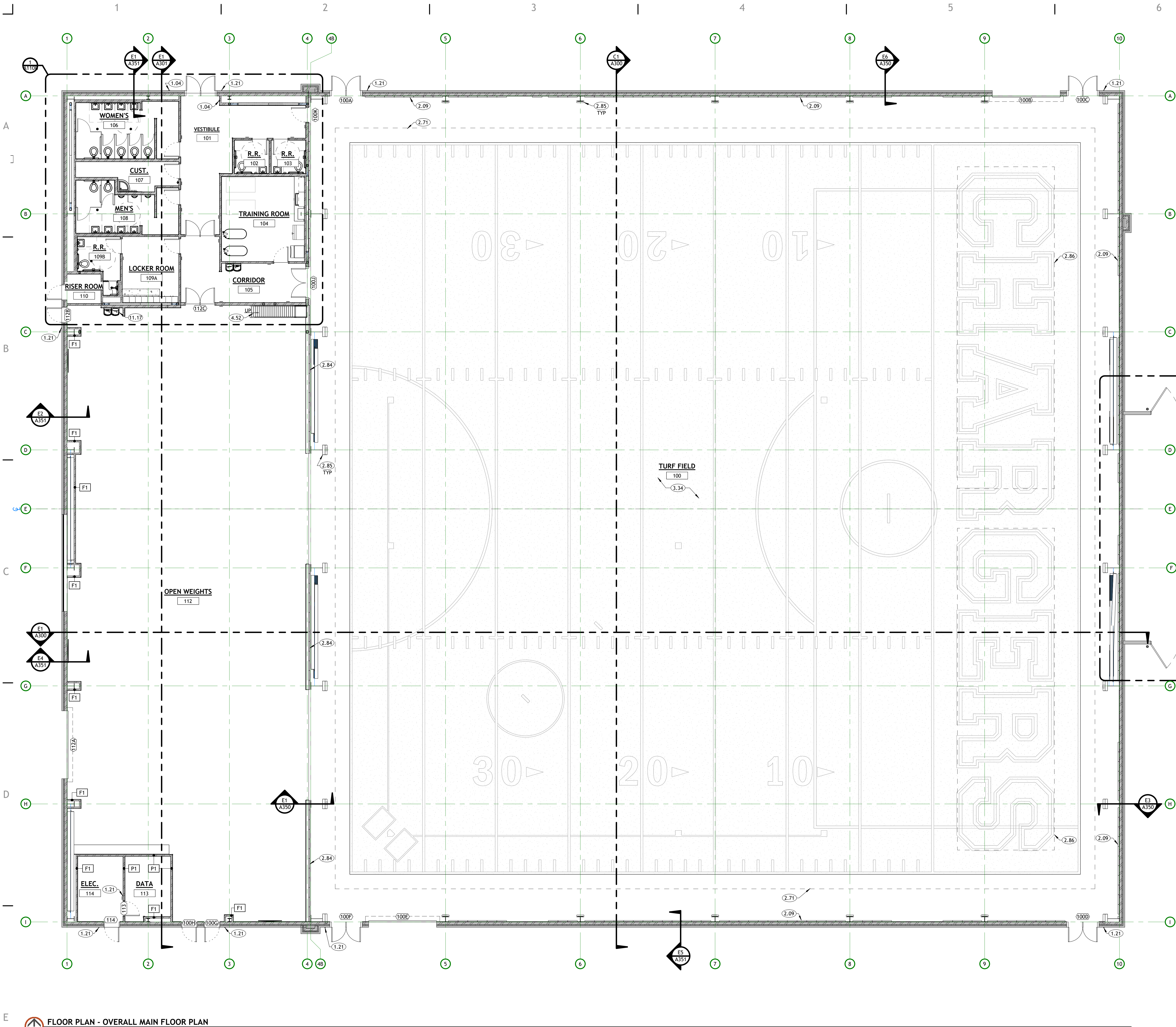


**FLOOR PLAN - DIMENSION CLERESTORY PLAN**  
A103 | SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- D. DIMENSIONS ARE TO FACE OF STUD TO FACE OF STUD.
- E. ALL COLORS SELECTIONS AND FINISH MATERIALS AND STYLES SHALL BE COORDINATED WITH OWNER.
- F. LOCATE DOOR JAMBS 4" FROM FACE OF STUD. U.N.O.
- G. SEE SHEET A151 FOR REFLECTED CEILING PLAN.
- H. SEE SHEET A101 FOR FINISH INFORMATION.
- I. SEE A601 FOR DOOR AND WINDOW INFORMATION.
- J. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- K. SEE G004 FOR WALL TYPES.
- L. PROVIDE BACKING FOR WALL MOUNTED ITEMS AND EQUIPMENT.
- M. NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
- N. "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
- O. VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
- P. DO NOT SCALE DRAWINGS.





FLOOR PLAN - OVERALL MAIN FLOOR PLAN  
A110A | SCALE: 1/8" = 1'-0"

#### KEYNOTES

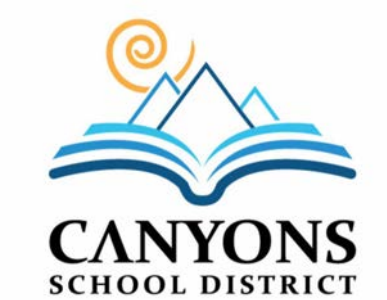
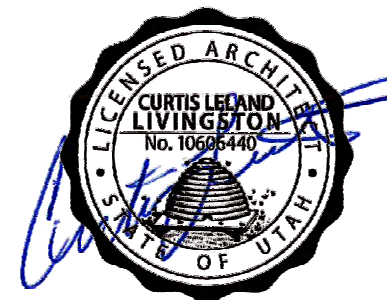
- 1.04 ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER, ELECTRICAL, AND HARDWARE.  
1.21 DIGITAL CARD READER. SEE SPECIFICATIONS.  
2.09 6'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.  
2.71 NETTING, WEIGHTED PERIMETER.  
2.84 4'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.  
2.85 6'-0" TALL ATHLETIC STRUCTURAL COLUMN PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.  
2.86 MOTORIZED, SUSPENDED BATTING CAGE NETS. SEE SPECS.  
3.34 NEW INDOOR ARTIFICIAL TURF. (NICO. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.  
4.52 PREFABRICATED STAIR. SEE SPECS.  
11.17 ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

#### GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.  
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.  
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT FULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.  
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:  
• MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE).  
• FRAMED WALLS- INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).  
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.  
F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.  
G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.  
H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.  
I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.  
J. SEE A800 SHEETS FOR DOOR AND WINDOW INFORMATION.  
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.  
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.  
M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.  
N. SEE A110 FOR WALL TYPES.  
O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.  
P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.  
Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSIONED SLABS.  
R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.  
S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.  
T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.  
U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREDAMP SPRAY INSULATION. SEE SPECS.  
V. FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.  
W. DO NOT SCALE DRAWINGS.

#### WALL TYPE LEGEND

F1		<b>WALL TYPE F1</b> FROM EXTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. 3/5" METAL STUD 3. SOUND ATTENUATION BATTS *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
F2		<b>WALL TYPE F2</b> FROM EXTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. 6" METAL STUD 3. SOUND ATTENUATION BATTS *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
P1		<b>WALL TYPE P1</b> FROM EXTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. 3/5" METAL STUD 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
P2		<b>WALL TYPE P2</b> FROM EXTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. 6" METAL STUD 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
P3		<b>WALL TYPE P3</b> FROM INTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 3/5" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
P3.1		<b>WALL TYPE P3.1</b> FROM INTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 3/5" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
P4		<b>WALL TYPE P4</b> FROM INTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 6" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
P4.1		<b>WALL TYPE P4.1</b> FROM INTERIOR TO INTERIOR 1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 6" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM



REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS	
BID SET	

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

MAIN FLOOR PLAN

SHEET NUMBER

A110A



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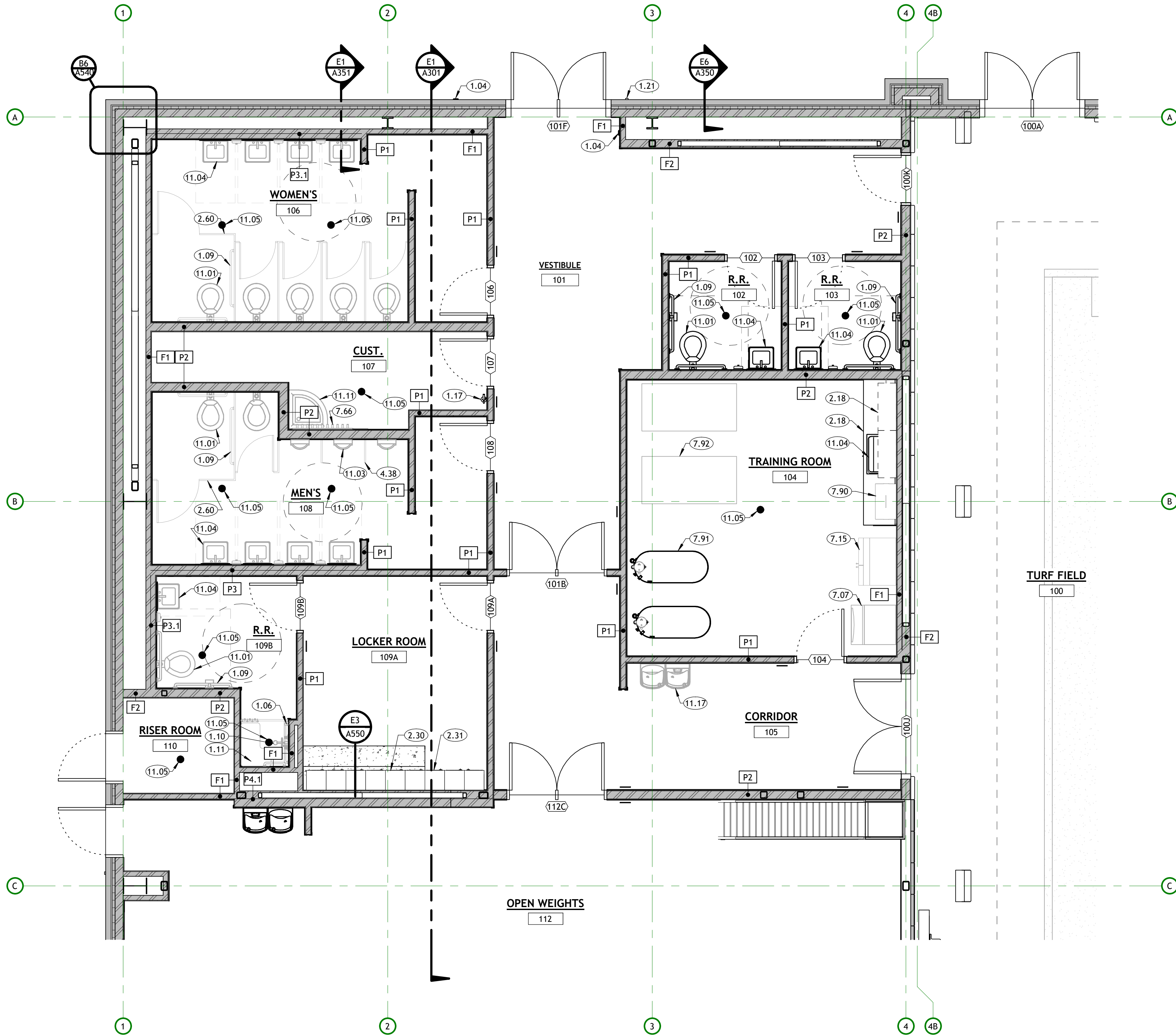
D

E



FLOOR PLAN - ENLARGED MAIN FLOOR FLOOR

A110B | SCALE: 1/4" = 1'-0"



### KEYNOTES

- 1.04 ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER, ELECTRICAL, AND HARDWARE.
- 1.06 ADA COMPLIANT 36" HORIZONTAL GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
- 1.09 ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
- 1.10 ADA COMPLIANT SHOWER HEAD AND CONTROLS. SEE DETAILS AND SPECIFICATIONS.
- 1.11 ADA COMPLIANT FOLD-UP SHOWER SEAT AND SHOWER GRAB BARS. SEE DETAILS AND SPECIFICATIONS.
- 1.17 BRACKET MOUNTED FIRE EXTINGUISHER. SEE SPECIFICATIONS.
- 1.21 DIGITAL CARD READER. SEE SPECIFICATIONS.
- 2.18 ARCHITECTURAL MILLWORK. SEE FURNISHING PLANS, INTERIOR ELEVATIONS AND SPECIFICATIONS.
- 2.30 LOCKER ROOM 1-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS. COLORS BY ARCHITECT.
- 2.31 LOCKER ROOM 2-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS. COLORS BY ARCHITECT.
- 2.60 PHENOLIC-CORE TOILET PARTITIONS. SEE SPECIFICATIONS.
- 4.38 PHENOLIC-CORE URINAL SCREEN. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS.
- 7.07 ICE MAKER (NIC).
- 7.15 REFRIGERATOR WITH FREEZER (N.I.C.).
- 7.66 HANGING MOP RACK 63" A.F.F.
- 7.90 HYDROCOLLATOR (N.I.C.).
- 7.91 ICE THERAPY TUB (OPCL).
- 7.92 ATHLETIC TREATMENT TABLE (N.I.C.).
- 11.01 TOILET. SEE PLUMBING.
- 11.03 URINAL. SEE PLUMBING.
- 11.04 SINK. SEE PLUMBING.
- 11.05 FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.
- 11.11 MOP SINK OVER TYPICAL MOP SINK WALL TILE. LONG MOP AND BROOM HOLDER ABOVE. SEE PLUMBING AND ELEVATIONS.
- 11.17 ELECTRIC WATER COOLER & BOTTLE FILLER. OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

### GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
- MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE).
  - FRAMED WALLS- INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
- G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
- I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
- J. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
- K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
- M. SEE GOOD FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
- N. SEE A110 FOR WALL TYPES.
- O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
- P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
- Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSIONED SLABS.
- R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
- S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
- T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES, INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
- U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREBAM SPRAY INSULATION. SEE SPECS.
- V. FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.
- W. DO NOT SCALE DRAWINGS.

### WALL TYPE LEGEND

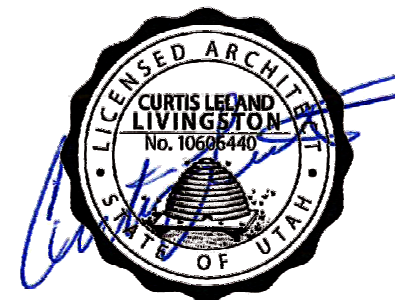
WALL TYPE F1	
F1	FROM EXTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. 3 5/8" METAL STUD 3. SOUND ATTENUATION BATTS *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
WALL TYPE F2	
F2	FROM EXTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. 6" METAL STUD 3. SOUND ATTENUATION BATTS *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
WALL TYPE P1	
P1	FROM EXTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. 3 5/8" METAL STUD 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
WALL TYPE P2	
P2	FROM EXTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. 6" METAL STUD 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
WALL TYPE P3	
P3	FROM INTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 3 5/8" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
WALL TYPE P3.1	
P3.1	FROM INTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 3 5/8" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
WALL TYPE P4	
P4	FROM INTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 6" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM
WALL TYPE P4.1	
P4.1	FROM INTERIOR TO INTERIOR
	1. 5/8" TYPE "X" GYPSUM BOARD 2. (2) TWO 6" METAL STUDS 3. SOUND ATTENUATION BATTS 4. 5/8" TYPE "X" GYPSUM BOARD *SEE FURNISHING PLANS & SHEET A801 FOR FINISH OF EACH ROOM



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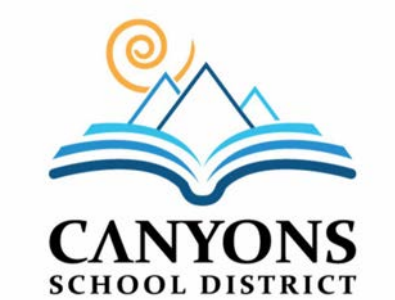
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### PROFESSIONAL STAMP



### CONSULTANT INFORMATION

### OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

### DRAWING SET STATUS

### BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

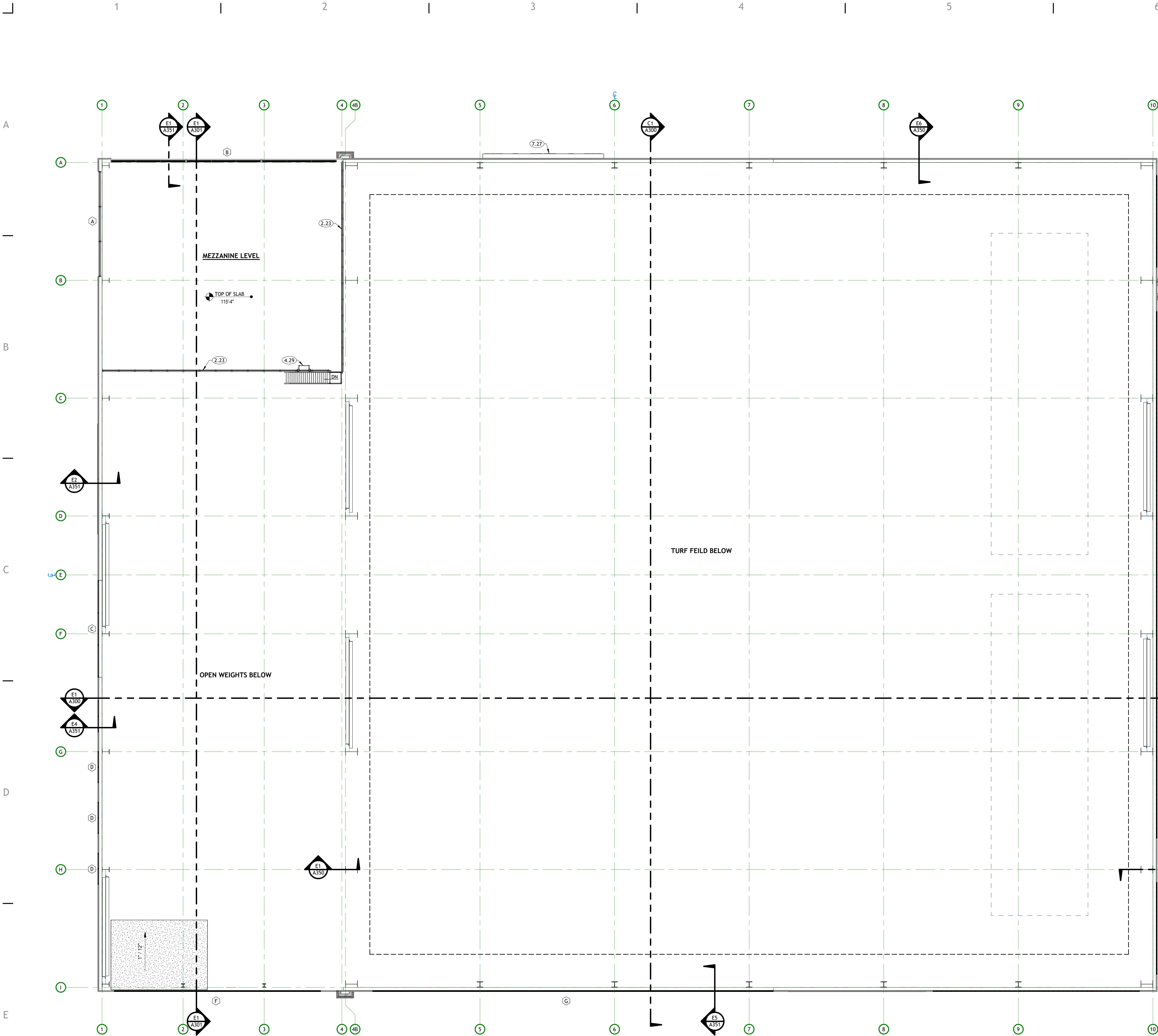
### SHEET TITLE

MAIN FLOOR  
PLAN  
ENLARGED

### SHEET NUMBER

A110B





**FLOOR PLAN - OVERALL MAIN FLOOR CLERESTORY PLAN**  
A110C | SCALE: 1/8" = 1'-0"

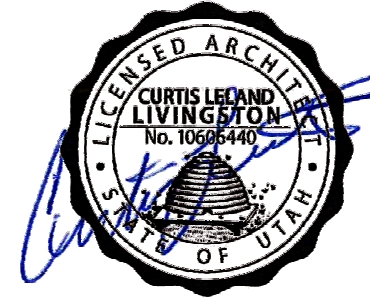
**KEYNOTES**

- 2.23 PAINTED STEEL GUARDRAIL, 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.  
4.29 ROOF ACCESS LADDER AND HATCH  
7.27 SCOREBOARD, OWNER FURNISHED, OWNER INSTALLED.

**GENERAL NOTES**

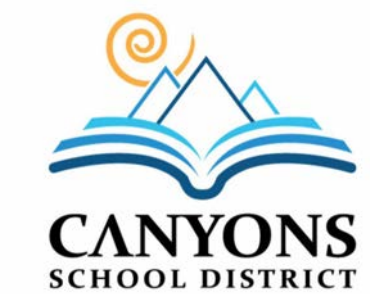
- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.  
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.  
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.  
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:  
• MASONRY WALLS- OUTSIDE OF FRAME 6" FROM FACE OF WALL (ON BLOCK MODULE),  
• FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).  
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.  
F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER WPA 13.  
G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.  
H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.  
I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.  
J. SEE A400 SHEETS FOR DOOR AND WINDOW INFORMATION.  
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.  
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.  
M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.  
N. SEE A110 FOR WALL TYPES.  
O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.  
P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.  
Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS  
R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.  
S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.  
T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.  
U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIRE DAM SPRAY INSULATION. SEE SP05.  
V. FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.  
W. DO NOT SCALE DRAWINGS.

**PROFESSIONAL STAMP**



**CONSULTANT INFORMATION**

**OWNER INFORMATION**



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

**REVISIONS**

Δ DESCRIPTION	DATE

**PROJECT INFORMATION**

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

**SHEET TITLE**

**MAIN FLOOR  
CLERESTORY**

**SHEET NUMBER**

**A110C**



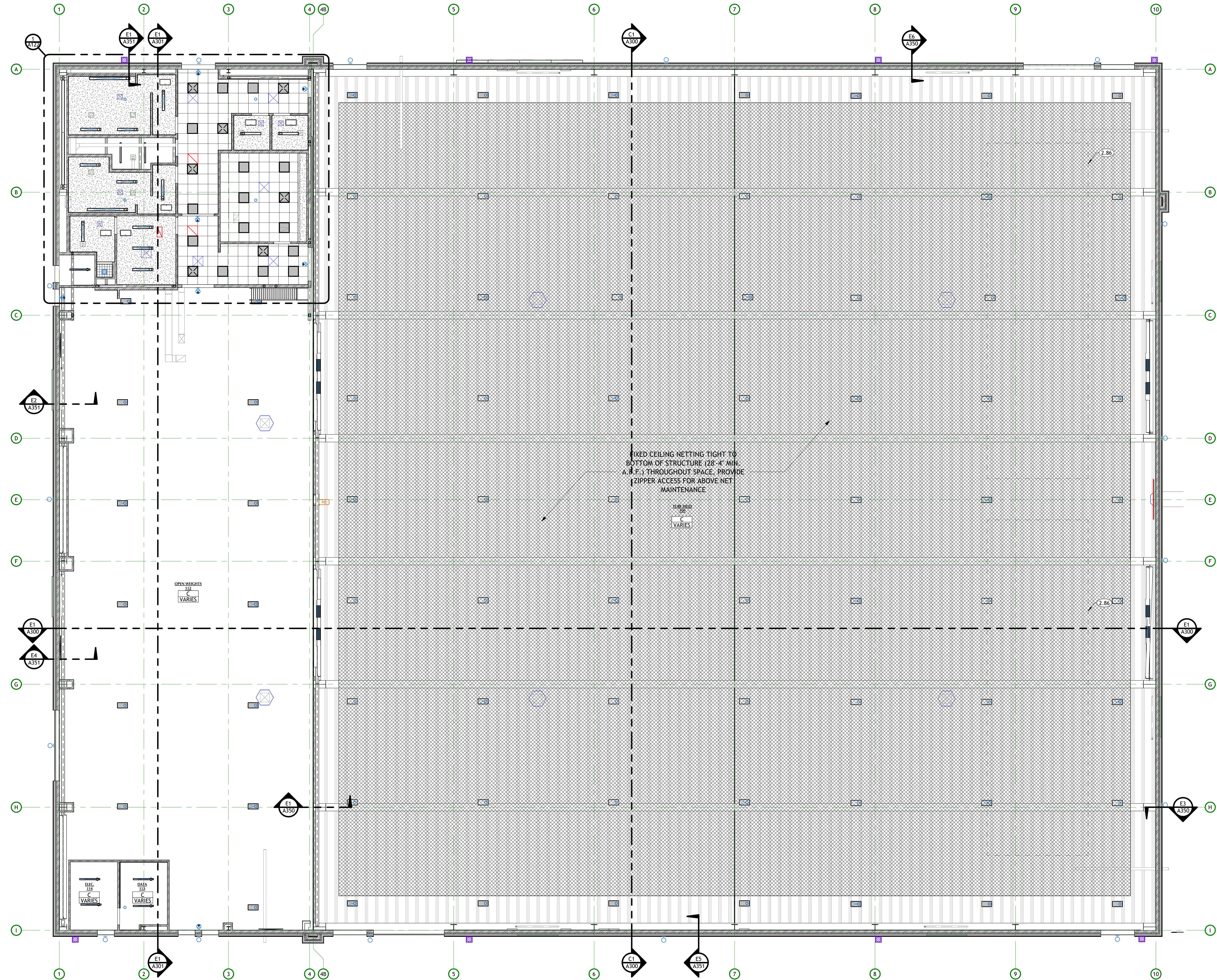
A

B

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D

E



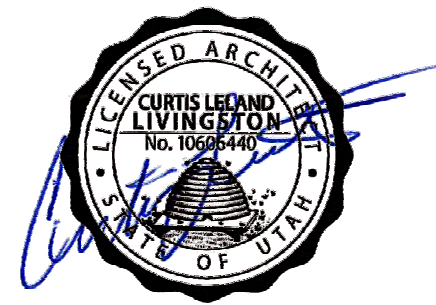
 REFLECTED CEILING PLAN  
A121 | SCALE: 1/8" = 1'-0"

KEYNOTES

2.86      MOTORIZED, SUSPENDED BATTING CAGE NETS, SEE SPECS.

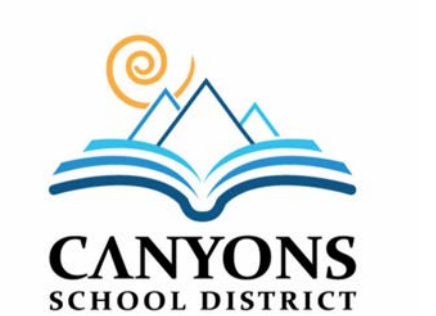
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

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PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

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PIC: CLL

DRAWING SET STATUS

BID SET

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SHEET TITLE

MAIN  
REFLECTED  
CEILING PLAN

SHEET NUMBER

A121

CEILING LEGEND

A		PAINTED 5/8" TYPE "X" GYPSUM BOARD.
B		2x2 SUSPENDED CEILING SYSTEM WITH GRID.
C		FIELD PAINTED EXPOSED DECK, DUCTWORK, PIPING, CONDUITS, ETC. ACCENT PAINTED STEEL STRUCTURE., SEE SPECIFICATIONS
D		CERAMIC TILE
E		2x4 SUSPENDED CEILING SYSTEM WITH GRID.

GENERAL NOTES

- MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
- SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
- CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
- COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
- WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
- ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
- PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
- PAINT ALL EXPOSED STEEL JOISTS, DECK, MECHANICAL DUCTWORK, CONDUIT, SUPPORTS, ETC. BETWEEN AND ABOVE SUSPENDED ACOUSTICAL CEILING PANELS, TYPICAL.
- ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDENT OF CEILING SUPPORT SYSTEM, TO STRUCTURE ABOVE.
- ALL CEILING SYSTEMS SHALL BE BRACED AS PER LOCAL BUILDING CODE AND DETAILS.



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KEYNOTES

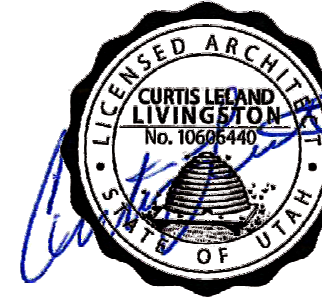
4.58 CEILING ACCESS PANEL.



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core@corearch.com

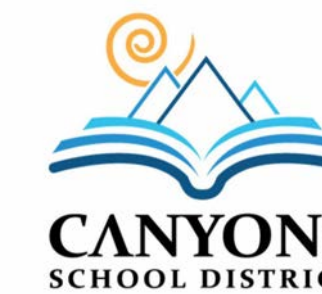
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

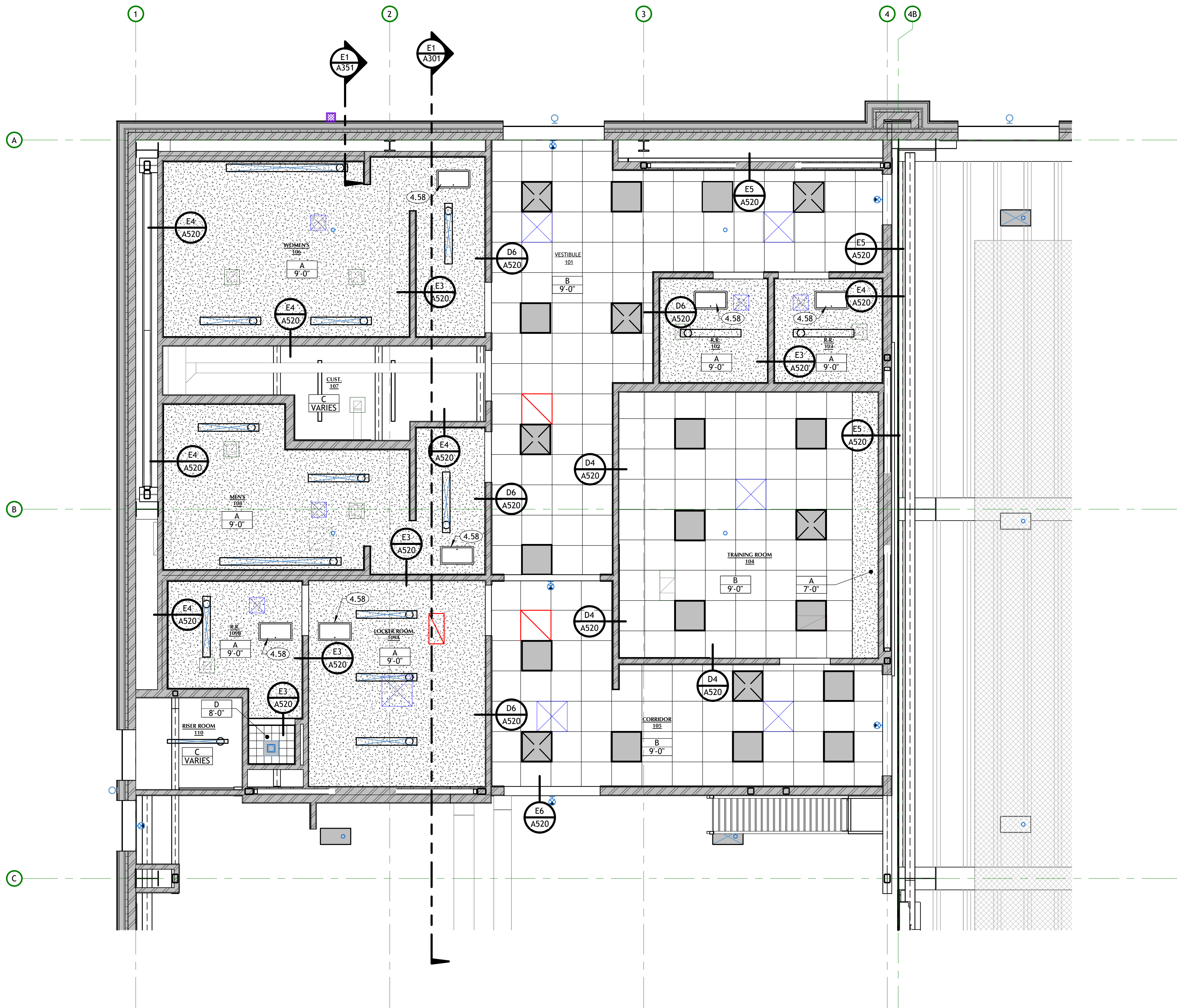
THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

MAIN  
REFLECTED  
CEILING PLAN  
ENLARGED

SHEET NUMBER

A122



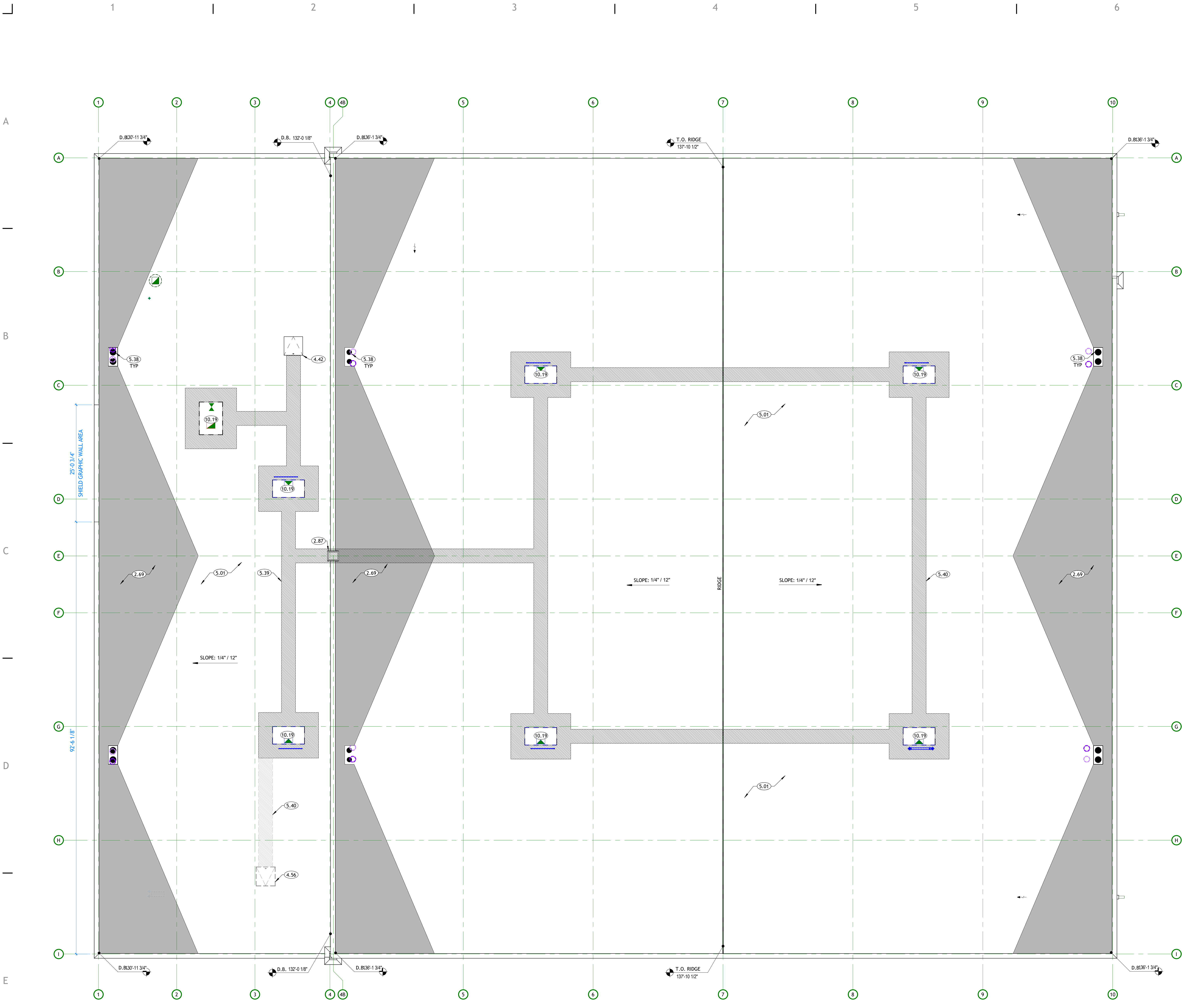
CEILING LEGEND

A		PAINTED 5/8" TYPE "X" GYPSUM BOARD.
B		2x2 SUSPENDED CEILING SYSTEM WITH GRID.
C		FIELD PAINTED EXPOSED DECK, DUCTWORK, PIPING, CONDUITS, ETC. ACCENT PAINTED STEEL STRUCTURE., SEE SPECIFICATIONS
D		CERAMIC TILE
E		2x4 SUSPENDED CEILING SYSTEM WITH GRID.

GENERAL NOTES

- MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
- SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
- CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
- COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
- WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
- ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
- PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
- PAINT ALL EXPOSED STEEL JOISTS, DECK, MECHANICAL DUCTWORK, CONDUIT, SUPPORTS, ETC. BETWEEN AND ABOVE SUSPENDED ACOUSTICAL CEILING PANELS, TYPICAL.
- ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDENT OF CEILING SUPPORT SYSTEM, TO STRUCTURE ABOVE.
- ALL CEILING SYSTEMS SHALL BE BRACED AS PER LOCAL BUILDING CODE AND DETAILS.

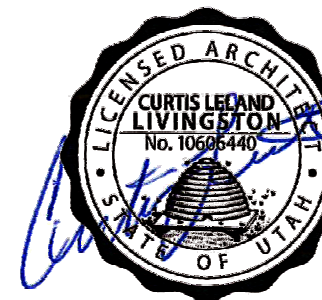




KEYNOTES

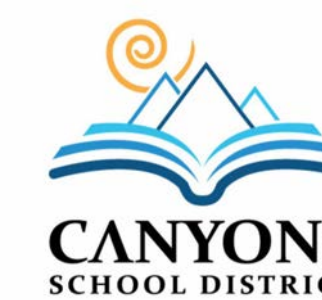
- 2.69 FIELD CONTOURED INSULATION ROOFING CRICKETS, SLOPE 1/4" PER FOOT MINIMUM.  
2.87 BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.  
4.42 BASE BID ROOF HATCH WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL.  
4.56 ALTERNATE ROOF HATCH LOCATION WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL. PATCH AND REPAIR BASE BID ROOF HATCH LOCATION.  
5.01 SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.  
5.38 PRIMARY AND OVERFLOW ROOF DRAIN (TYP.) - SEE MECHANICAL.  
5.39 BASE BID FLEXIBLE ROOFING WALKWAY ROLL OR PAD - SEE SPECIFICATIONS.  
5.40 ALTERNATE PHASE FLEXIBLE ROOFING WALKWAY ROLL OR PAD - SEE SPECIFICATIONS.  
10.19 ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

OVERALL ROOF  
PLAN

SHEET NUMBER

A131



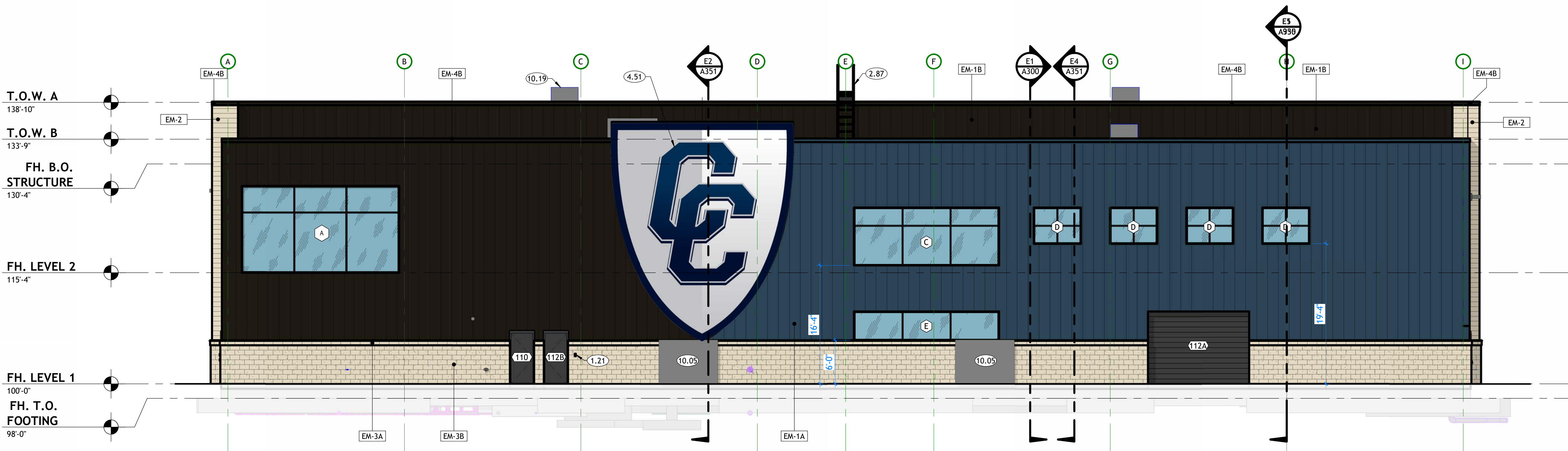
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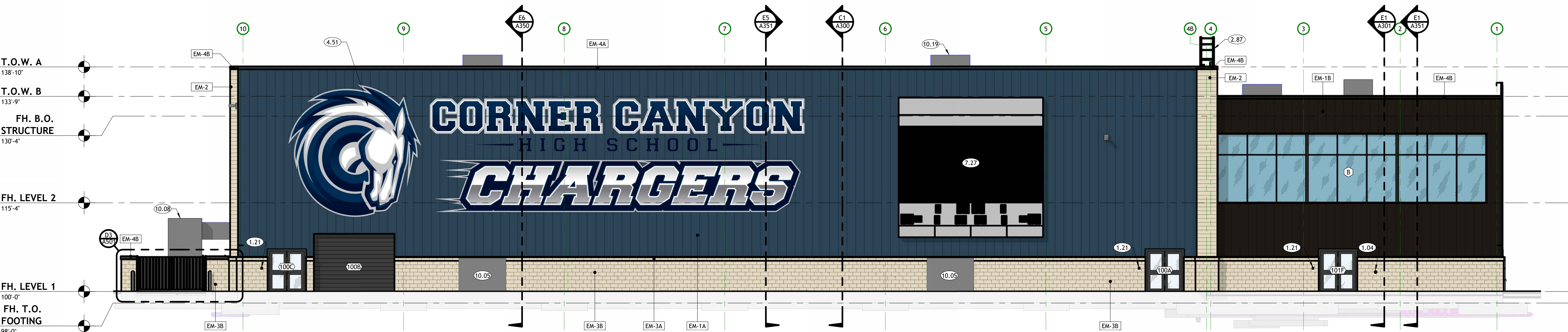
D

E



**C1** WEST EXTERIOR ELEVATION

A201 | SCALE: 1/8" = 1'-0"



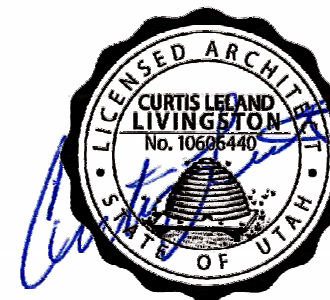
**E1** NORTH EXTERIOR ELEVATION

A201 | SCALE: 1/8" = 1'-0"

**KEYNOTES**

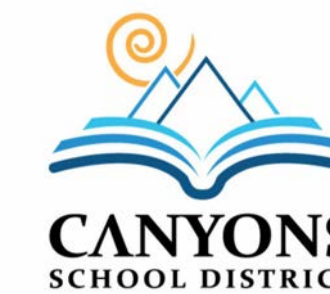
- 1.04 ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER, ELECTRICAL, AND HARDWARE.
- 1.21 DIGITAL CARD READER. SEE SPECIFICATIONS.
- 2.87 BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.
- 4.51 CUSTOM LOGO EXTERIOR BUILDING WRAP OVER EXTERIOR METAL PANELS. COORDINATE WITH ARCHITECT AND OWNER FOR GRAPHIC DESIGN AND SPECIFICATION.
- 7.27 SCOREBOARD. OWNER FURNISHED, OWNER INSTALLED.
- 10.05 MECHANICAL LOUVER. SEE MECHANICAL AND SPECIFICATIONS.
- 10.08 MECHANICAL EQUIPMENT. SEE MECHANICAL.
- 10.19 ROOF MOUNTED MECHANICAL UNIT. SEE MECHANICAL.

**PROFESSIONAL STAMP**



**CONSULTANT INFORMATION**

**OWNER INFORMATION**



**EXTERIOR MATERIAL LEGEND**

EM-1A		INSULATED METAL PANEL (FIELD) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BLUE)
EM-1B		INSULATED METAL PANEL (ACCENT 1) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BRONZE)
EM-2		INSULATED METAL PANEL (FIELD) - 8" HORIZONTAL LAP SIDING - COLOR SELECTION BY ARCHITECT (TAN)
EM-3A		8" x 16" x 4" - CMU VENEER (FIELD) - SMOOTH - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-3B		8" x 16" x 4" - CMU VENEER (FIELD) - SPLIT FACE - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-4A		METAL PARAPET CAP (FIELD) - PREFINISHED COLOR SELECTION BY ARCHITECT (BLUE)
EM-4B		METAL PARAPET CAP (ACCENT 1) - PREFINISHED COLOR SELECTION BY ARCHITECT (BRONZE)
EM-5		EXPOSED CONCRETE - RUBBED FINISH

**GENERAL NOTES**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. ALL MASONRY WALLS TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM. VERIFY WITH STRUCTURAL.
- C. EXPOSED CONCRETE FOUNDATION AND RETAINING WALLS TO RECEIVE RUBBED FINISH.
- D. CONCRETE WALL RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- E. PROVIDE PRE-FINISHED NUMBERS ON THE FRONT, EXTERIOR OF THE BUILDING INDICATING THE BUILDING ADDRESS NUMBER ASSIGNED BY THE CITY IN ACCORDANCE WITH CURRENT CITY ORDINANCE. COLOR OF PRE-FINISHED NUMBERS TO CONTRAST SIGNIFICANTLY WITH BACKGROUND COLOR OF EXTERIOR WALL. THAT ADDRESS MUST BE PERMANENTLY FASTENED TO THE EXTERIOR OF THE BUILDING PRIOR TO OCCUPANCY.
- F. SEE PLUMBING SHEETS AND ROOF DRAINAGE PLAN FOR SECONDARY ROOF DRAINAGE BRASS SCUPPER AND ROOF SCUPPER WITH PRE-FINISHED ALUMINUM DOWN SPOUT LOCATIONS ALONG EXTERIOR WALLS.
- G. SEE PLUMBING SHEETS FOR LOCATION OF GAS METER ALONG EXTERIOR WALL.
- H. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE LOCATIONS ALONG EXTERIOR WALLS.

PROJECT TITLE AND ADDRESS

**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

**REVISIONS**

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PIC: CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

**SHEET TITLE**

**EXTERIOR ELEVATIONS**

**SHEET NUMBER**

**A201**



1 2 3 4 5 6 7

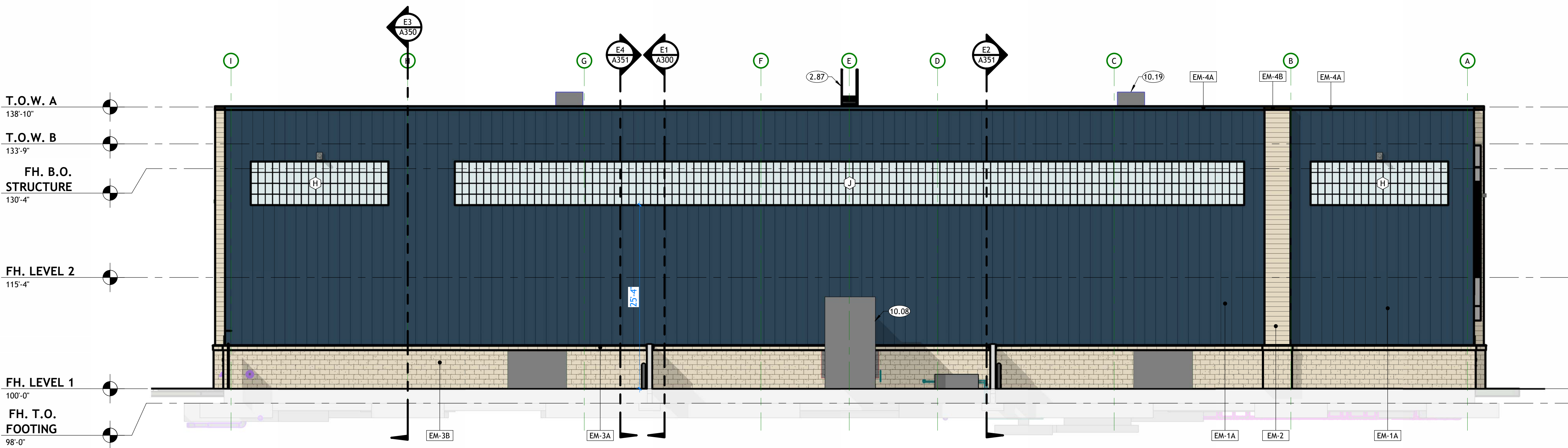
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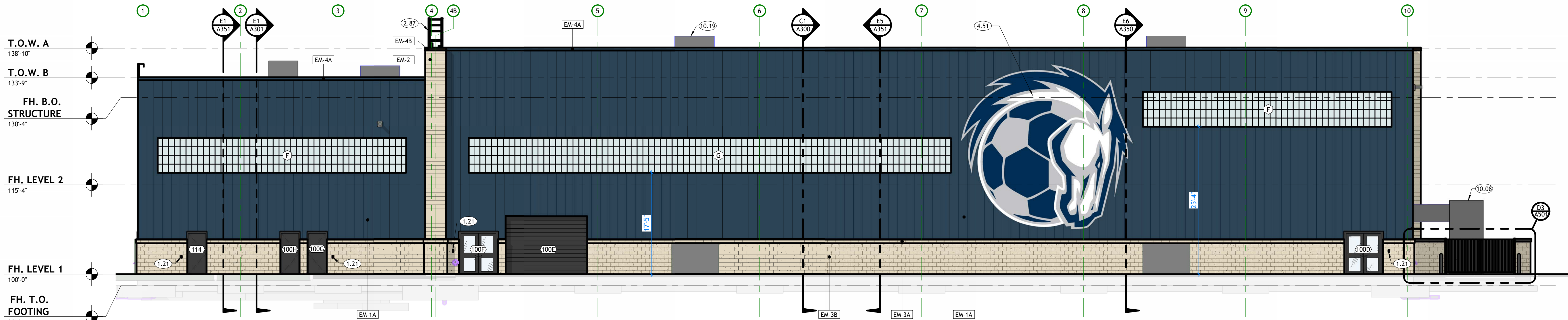
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**C1** EAST EXTERIOR ELEVATION  
A202 | SCALE: 1/8" = 1'-0"



**E1** SOUTH EXTERIOR ELEVATION  
A202 | SCALE: 1/8" = 1'-0"

**KEYNOTES**

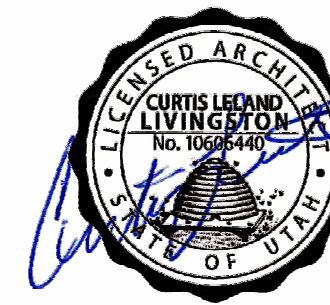
- 1.21 DIGITAL CARD READER, SEE SPECIFICATIONS.  
2.87 BASE BID ROOF PARAPET ACCESS LADDER LOCATION, SEE DETAILS AND SPECIFICATIONS.  
4.51 CUSTOM LOGO EXTERIOR BUILDING WRAP OVER EXTERIOR METAL PANELS. COORDINATE WITH ARCHITECT AND OWNER FOR GRAPHIC DESIGN AND SPECIFICATION.  
10.08 MECHANICAL EQUIPMENT, SEE MECHANICAL.  
10.19 ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.



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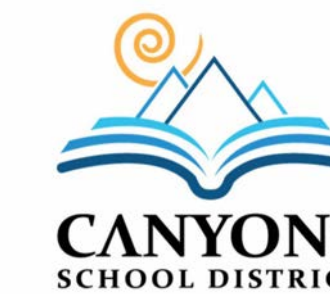
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**PROFESSIONAL STAMP**



**CONSULTANT INFORMATION**

**OWNER INFORMATION**



**EXTERIOR MATERIAL LEGEND**

EM-1A		INSULATED METAL PANEL (FIELD) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BLUE)
EM-1B		INSULATED METAL PANEL (ACCENT 1) - 18" VERTICAL JOINT - FLUSH - COLOR SELECTION BY ARCHITECT (BRONZE)
EM-2		INSULATED METAL PANEL (FIELD) - 8" HORIZONTAL LAP SIDING - COLOR SELECTION BY ARCHITECT (TAN)
EM-3A		8" x 16" x 4" - CMU VENEER (FIELD) - SMOOTH - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-3B		8" x 16" x 4" - CMU VENEER (FIELD) - SPLIT FACE - RUNNING - COLOR TO MATCH EXISTING PRECAST
EM-4A		METAL PARAPET CAP (FIELD) - PREFINISHED COLOR SELECTION BY ARCHITECT (BLUE)
EM-4B		METAL PARAPET CAP (ACCENT 1) - PREFINISHED COLOR SELECTION BY ARCHITECT (BRONZE)
EM-5		EXPOSED CONCRETE - RUBBED FINISH

**GENERAL NOTES**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.  
B. ALL MASONRY WALLS TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM. VERIFY WITH STRUCTURAL.  
C. EXPOSED CONCRETE FOUNDATION AND RETAINING WALLS TO RECEIVE RUBBED FINISH.  
D. CONCRETE WALL RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.  
E. PROVIDE PRE-FINISHED NUMBERS ON THE FRONT, EXTERIOR OF THE BUILDING INDICATING THE BUILDING ADDRESS NUMBER ASSIGNED BY THE CITY IN ACCORDANCE WITH CURRENT CITY ORDINANCE. COLOR OF PRE-FINISHED NUMBERS TO CONTRAST SIGNIFICANTLY WITH BACKGROUND COLOR OF EXTERIOR WALL. THAT ADDRESS MUST BE PERMANENTLY FASTENED TO THE EXTERIOR OF THE BUILDING PRIOR TO OCCUPANCY.  
F. SEE PLUMBING SHEETS AND ROOF DRAINAGE PLAN FOR SECONDARY ROOF DRAINAGE BRASS SCUPPER AND ROOF SCUPPER WITH PRE-FINISHED ALUMINUM DOWN SPOUT LOCATIONS ALONG EXTERIOR WALLS.  
G. SEE PLUMBING SHEETS FOR LOCATION OF GAS METER ALONG EXTERIOR WALL.  
H. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE LOCATIONS ALONG EXTERIOR WALLS.

PROJECT TITLE AND ADDRESS

**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

**REVISIONS**

DESCRIPTION	DATE

**PROJECT INFORMATION**

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

**SHEET TITLE**

**EXTERIOR ELEVATIONS**

**SHEET NUMBER**

**A202**



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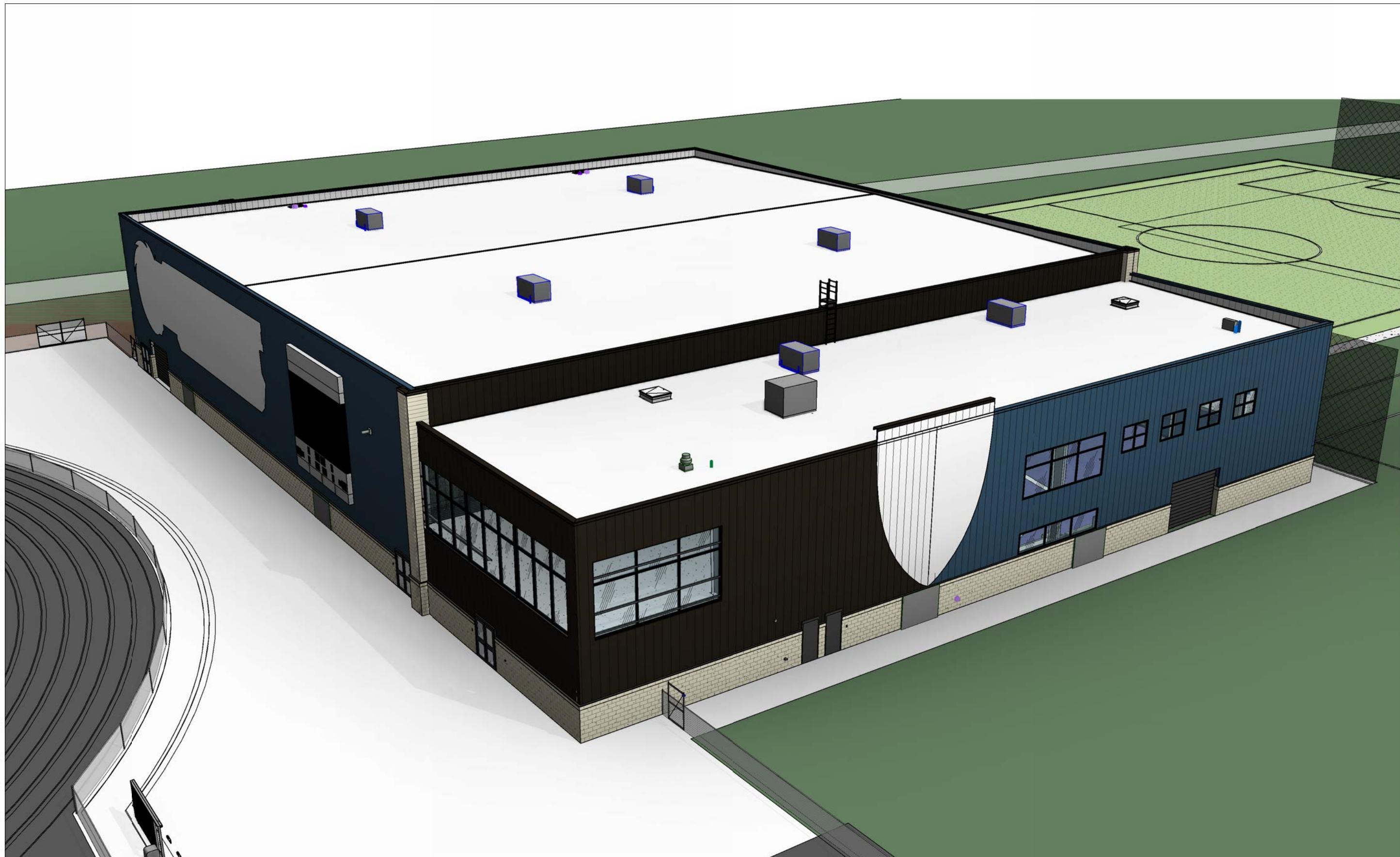
A

B

C



**C1** FIELDHOUSE EXTERIOR PERSPECTIVE - A  
A250 | SCALE:



**C5** FIELDHOUSE EXTERIOR PERSPECTIVE - B  
A250 | SCALE:

D



**E1** FIELDHOUSE EXTERIOR PERSPECTIVE - C  
A250 | SCALE:

E



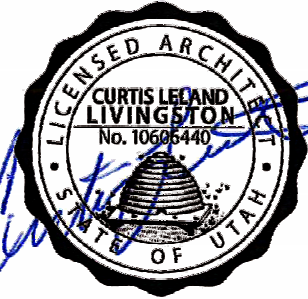
**E5** FIELDHOUSE EXTERIOR PERSPECTIVE - D  
A250 | SCALE:



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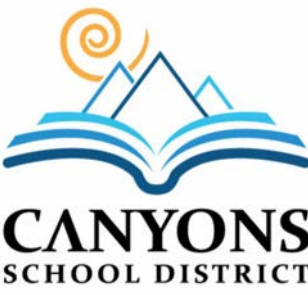
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CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

**BID SET**

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

**3D  
PERSPECTIVES**

SHEET NUMBER

**A250**



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**B2** EX. RENDERING - V.I.P SUITE  
A251 | SCALE: 1" = 1'-0"



**B5** EX. RENDERING - WEIGHTROOM  
A251 | SCALE: 1" = 1'-0"



**E2** EX. RENDERING - SHIELD VIEW  
A251 | SCALE: 1" = 1'-0"



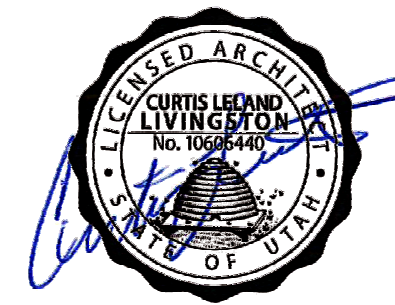
**E5** EX. RENDERING - FOOTBALL FIELD VIEW  
A251 | SCALE: 1" = 1'-0"



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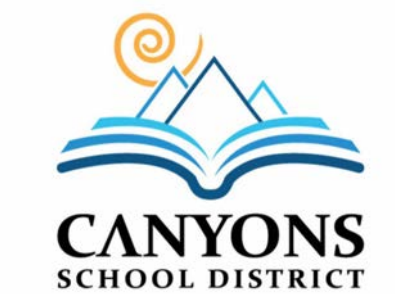
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OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

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DESCRIPTION	DATE

PROJECT INFORMATION  
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PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

EXTERIOR  
RENDERINGS

SHEET NUMBER

A251

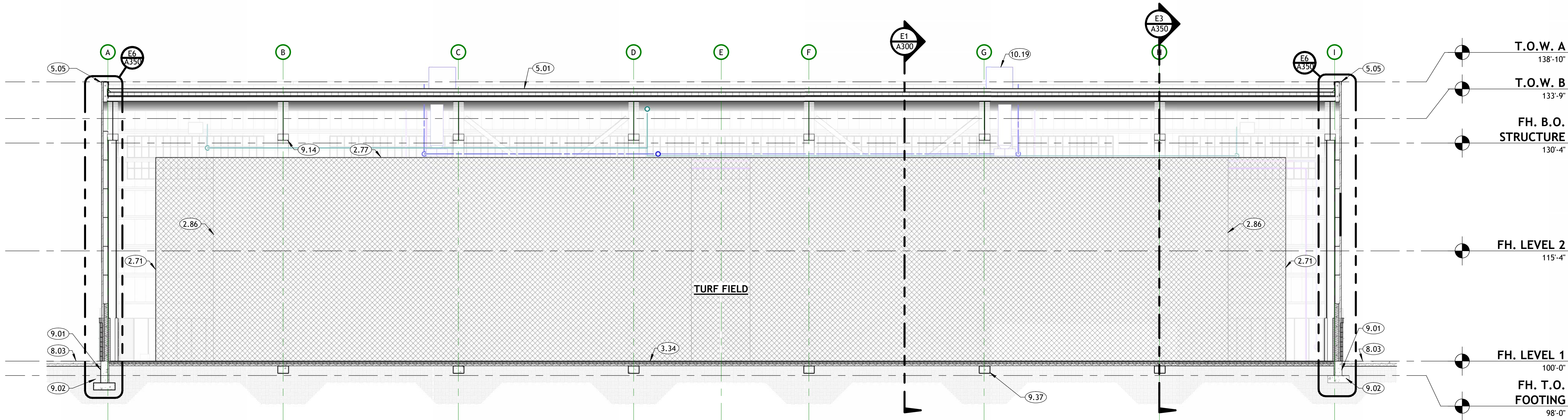


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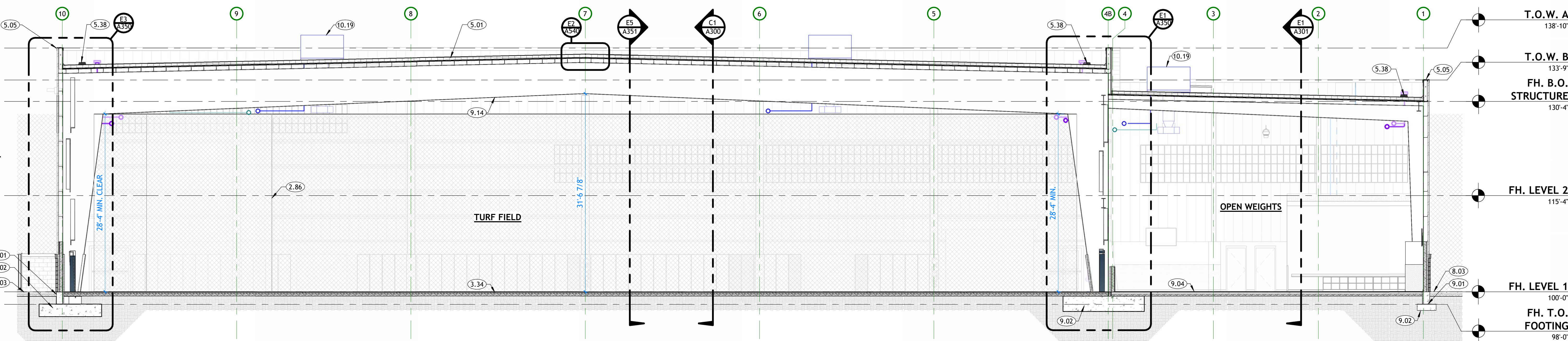
C



**C1** BUILDING SECTION 01  
A300 | SCALE: 1/8" = 1'-0"

D

E



**E1** BUILDING SECTION 02  
A300 | SCALE: 1/8" = 1'-0"

#### KEYNOTES

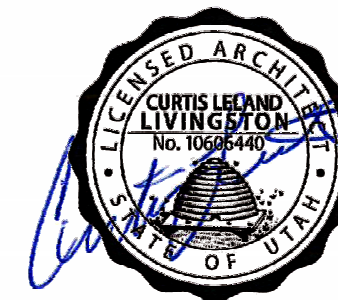
- 2.71 NETTING, WEIGHTED PERIMETER.  
2.77 NETTING, FIXED PERIMETER CEILING (C.P.C.I.).  
2.86 MOTORIZED, SUSPENDED BATTING CAGE NETS, SEE SPECS.  
3.34 NEW INDOOR ARTIFICIAL TURF, (NICO, TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.
- 5.01 SINGLE-PLY MEMBRANE ROOFING SYSTEM, SEE SPECIFICATIONS.  
5.05 PRE-FINISHED METAL PARAPET WALL, CAP WITH DRIP EDGE.  
5.38 PRIMARY AND OVERFLOW ROOF DRAIN (TYP.) - SEE MECHANICAL.  
8.03 CONCRETE SIDEWALK, SEE CIVIL.  
9.01 CONCRETE FOUNDATION WALL, SEE STRUCTURAL FOR SIZE AND REINFORCING.  
9.02 CONCRETE FOOTING, SEE STRUCTURAL FOR SIZE AND REINFORCING.  
9.04 CONCRETE SLAB OVER FREE DRAINING GRAVEL, SEE STRUCTURAL SHEETS.  
9.14 PAINTED EXPOSED STRUCTURAL STEEL, SEE STRUCTURAL FOR CONNECTION REQUIREMENTS.  
9.37 CONCRETE GRADE BEAMS, SEE STRUCTURAL FOR SIZE AND REINFORCING.  
10.19 ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.



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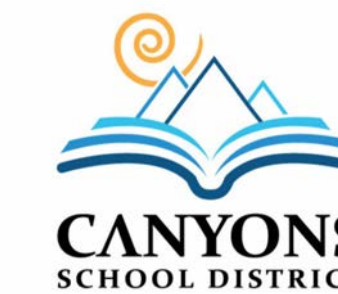
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CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

PROJECT TITLE AND ADDRESS

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

BUILDING SECTIONS

SHEET NUMBER

A300



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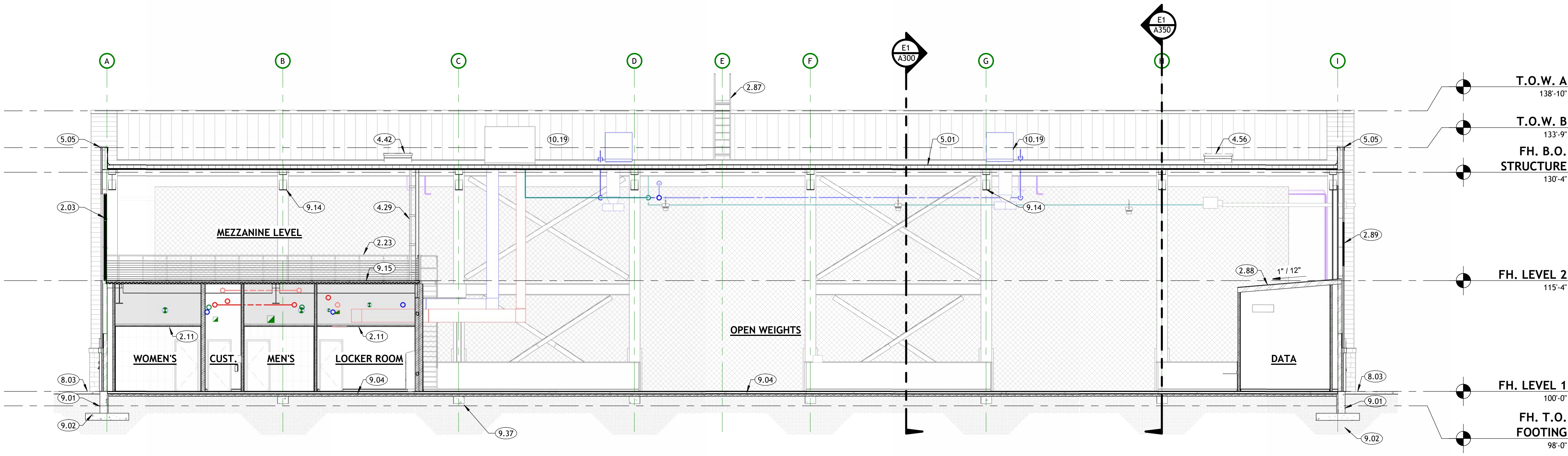
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E



**E1** BUILDING SECTION 03  
A301 | SCALE: 1/8" = 1'-0"

**KEYNOTES**

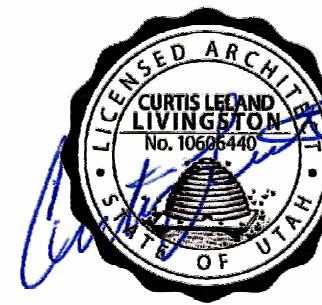
- 2.03 WINDOW. SEE WINDOW TYPES AND SCHEDULE.
- 2.11 SUSPENDED CEILING SYSTEM. SEE REFLECTED CEILING PLAN FOR TYPE.
- 2.23 PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
- 2.87 BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.
- 2.88 BASE BID SLOPED 8" METAL STUD WITH GYP SHELF COVERING.
- 2.89 TRANSLUSANT PANELING. SEE WINDOW SCHEDULE.
- 4.29 ROOF ACCESS LADDER AND HATCH
- 4.42 BASE BID ROOF HATCH WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL.
- 4.56 ALTERNATE ROOF HATCH LOCATION WITH INSULATED CURB AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL. PATCH AND REPAIR BASE BID ROOF HATCH LOCATION.
- 5.01 SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.
- 5.05 PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.
- 8.03 CONCRETE SIDEWALK. SEE CIVIL.
- 9.01 CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.
- 9.02 CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.
- 9.04 CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.
- 9.14 PAINTED EXPOSED STRUCTURAL STEEL. SEE STRUCTURAL FOR CONNECTION REQUIREMENTS.
- 9.15 CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.
- 9.37 CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.
- 10.19 ROOF MOUNTED MECHANICAL UNIT, SEE MECHANICAL.



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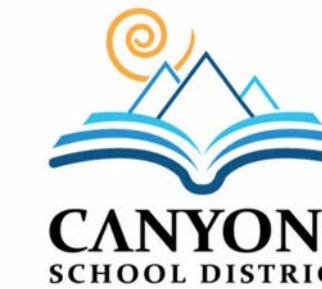
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**CONSULTANT INFORMATION**

**OWNER INFORMATION**



**PROJECT TITLE AND ADDRESS**  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

**PROJECT INFORMATION**  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

**SHEET TITLE**

**BUILDING SECTIONS**

**SHEET NUMBER**

**A301**



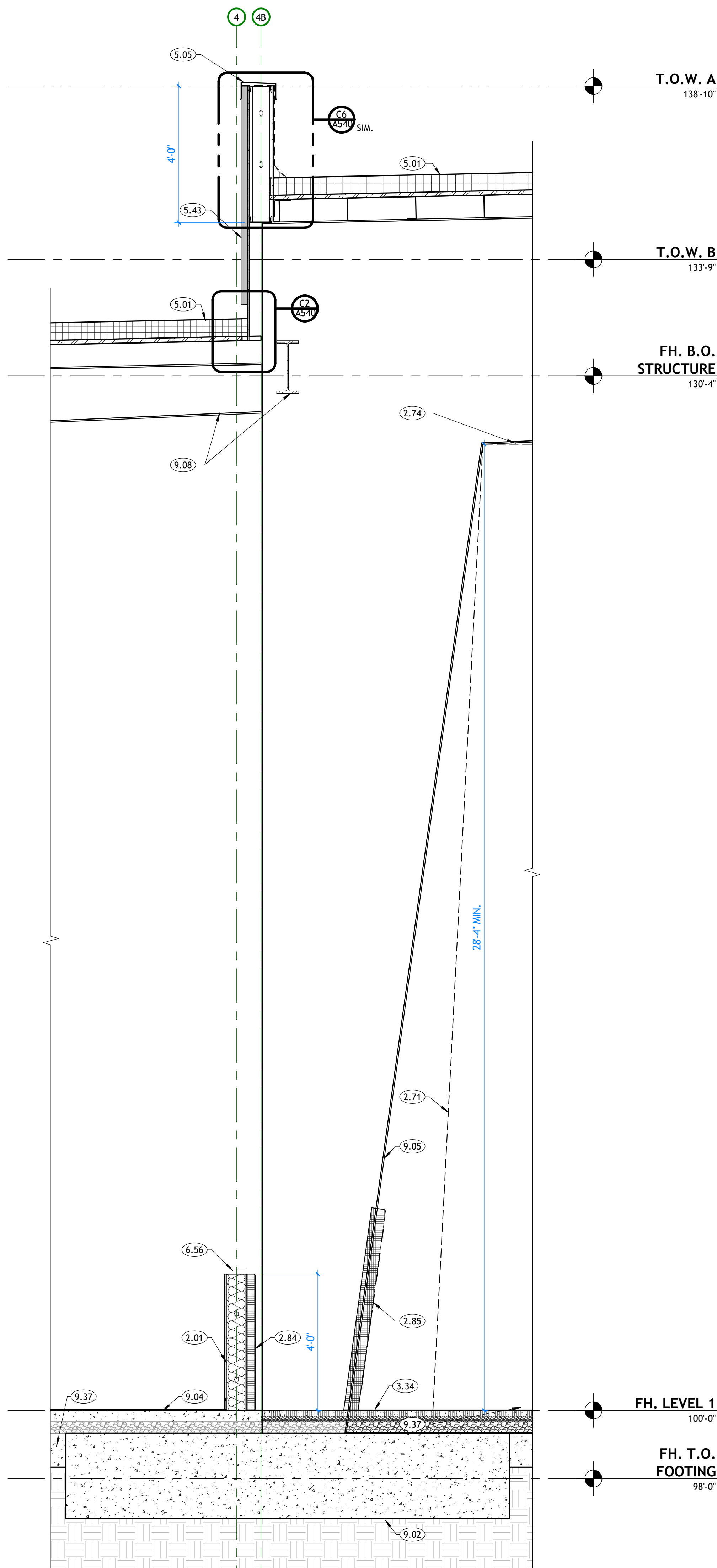
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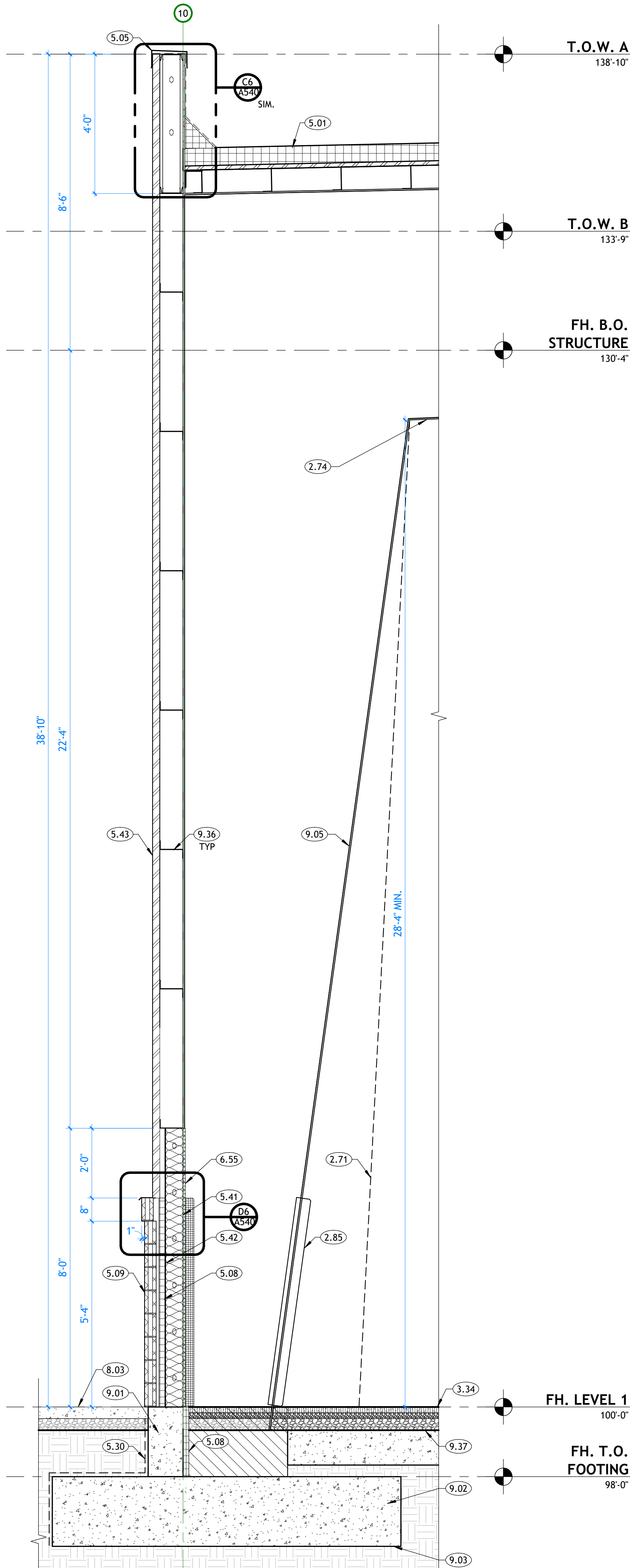
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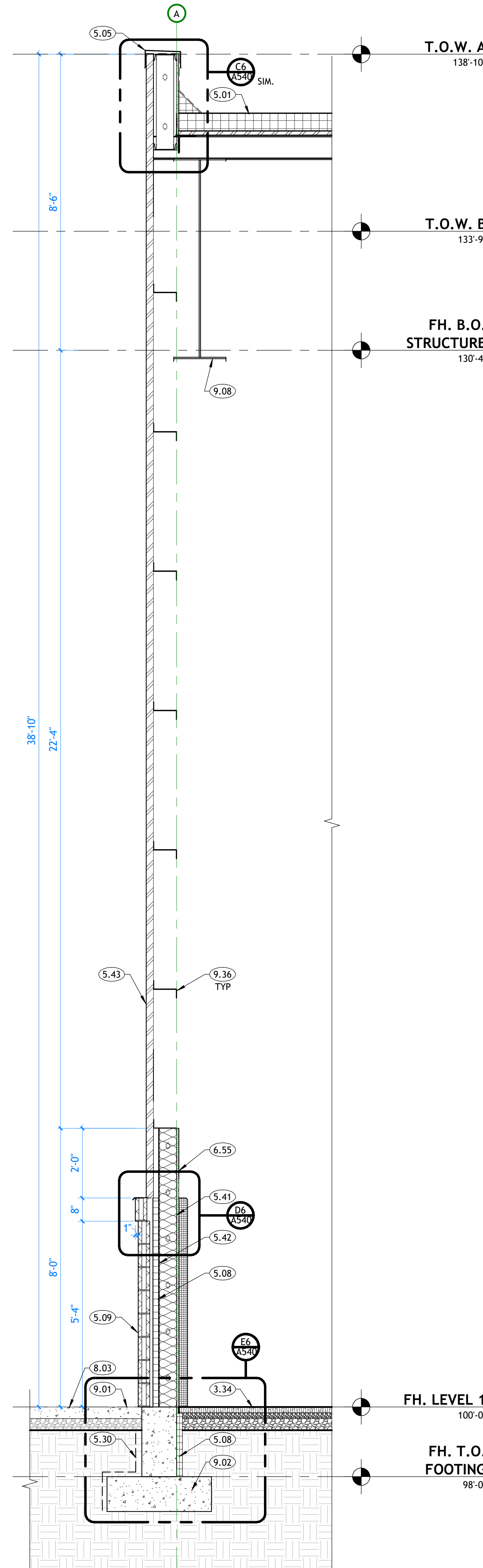
E



**E1** WALL SECTION - WIEGHTROOM & TURF FIELD  
A350 | SCALE: 1/2" = 1'-0"



**E3** TYPICAL WALL SECTION @ COLUMN  
A350 | SCALE: 1/2" = 1'-0"



**E6** TYPICAL WALL SECTION  
A350 | SCALE: 1/2" = 1'-0"

**KEYNOTES**

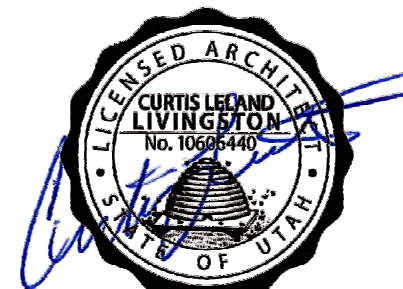
- 2.01 STUD WALL. SEE WALL TYPES.  
2.71 NETTING, WEIGHTED PERIMETER.  
2.74 BATTING CAGE NETTING, FIXED PERIMETER CEILING (C.P.C.I.).  
2.84 4'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.  
2.85 6'-0" TALL ATHLETIC STRUCTURAL COLUMN PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.  
3.34 NEW INDOOR ARTIFICIAL TURF. (NICO. TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.  
5.01 SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.  
5.05 PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.  
5.08 2" RIGID INSULATION.  
5.09 4" CONCRETE MASONRY VENEER. SEE ELEVATIONS  
5.30 WATER PROOFING TYP. AT CONCRETE WALLS. SEE DETAILS AND SPECIFICATIONS.  
5.41 6" METAL STUD FRAMING  
5.42 5/8" DENSGLASS SHEATHING.  
5.43 VERTICAL FLUSH JOINT PANEL. SEE EXTERIOR ELEVATIONS FOR FINISH.  
6.55 PAINTED 3/4" PLYWOOD. SEE INTERIOR ELEVATIONS.  
6.56 PONY WALL CAP. SEE INTERIOR ELEVATIONS AND SECIFICATIONS.  
8.03 CONCRETE SIDEWALK. SEE CIVIL.  
9.01 CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.  
9.02 CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.  
9.03 FOOTINGS TO REST ON NATIVE SOILS OR ENGINEERED FILL. SEE STRUCTURAL AND THE GEOTECHNICAL REPORT.  
9.04 CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.  
9.05 STEEL COLUMN. SEE STRUCTURAL.  
9.08 STRUCTURAL STEEL FRAMING. SEE STRUCTURAL.  
9.36 ALUMINUM Z GIRL FRAMING. SPACING AND QUANTITY TO BE DETERMINED BY PRE-FABRICATION METAL BUILDING CONSULTANT.  
9.37 CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.



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**CONSULTANT INFORMATION**

**OWNER INFORMATION**



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

**PROJECT INFORMATION**  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

**SHEET TITLE**

**WALL SECTIONS**

**SHEET NUMBER**

**A350**

**GENERAL NOTES**

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.  
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.  
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.  
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.  
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.  
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.  
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.  
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.  
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.  
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.  
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.



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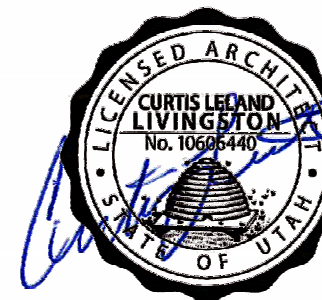
KEYNOTES



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

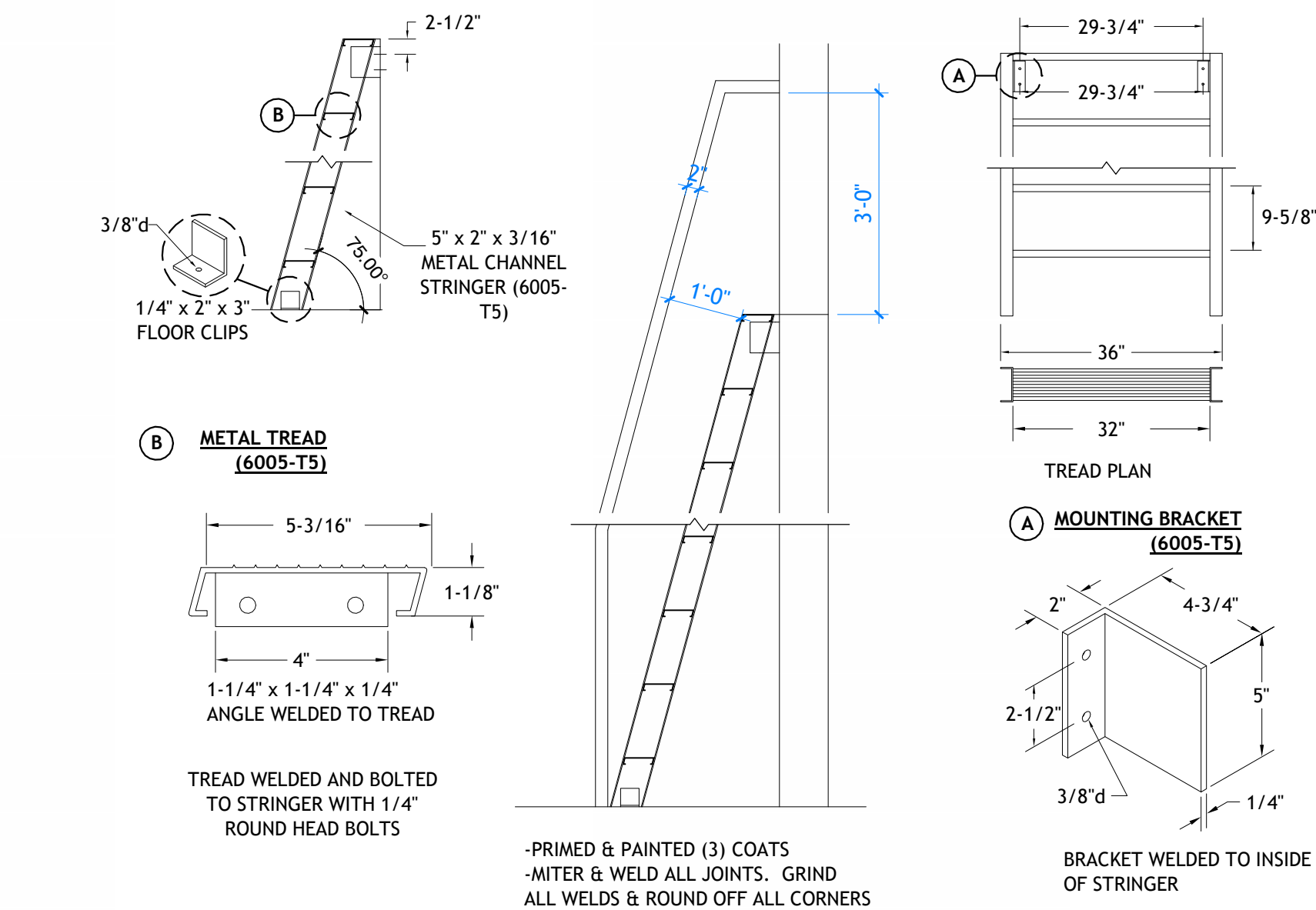
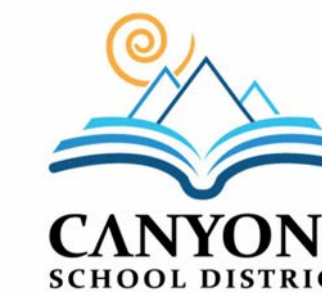
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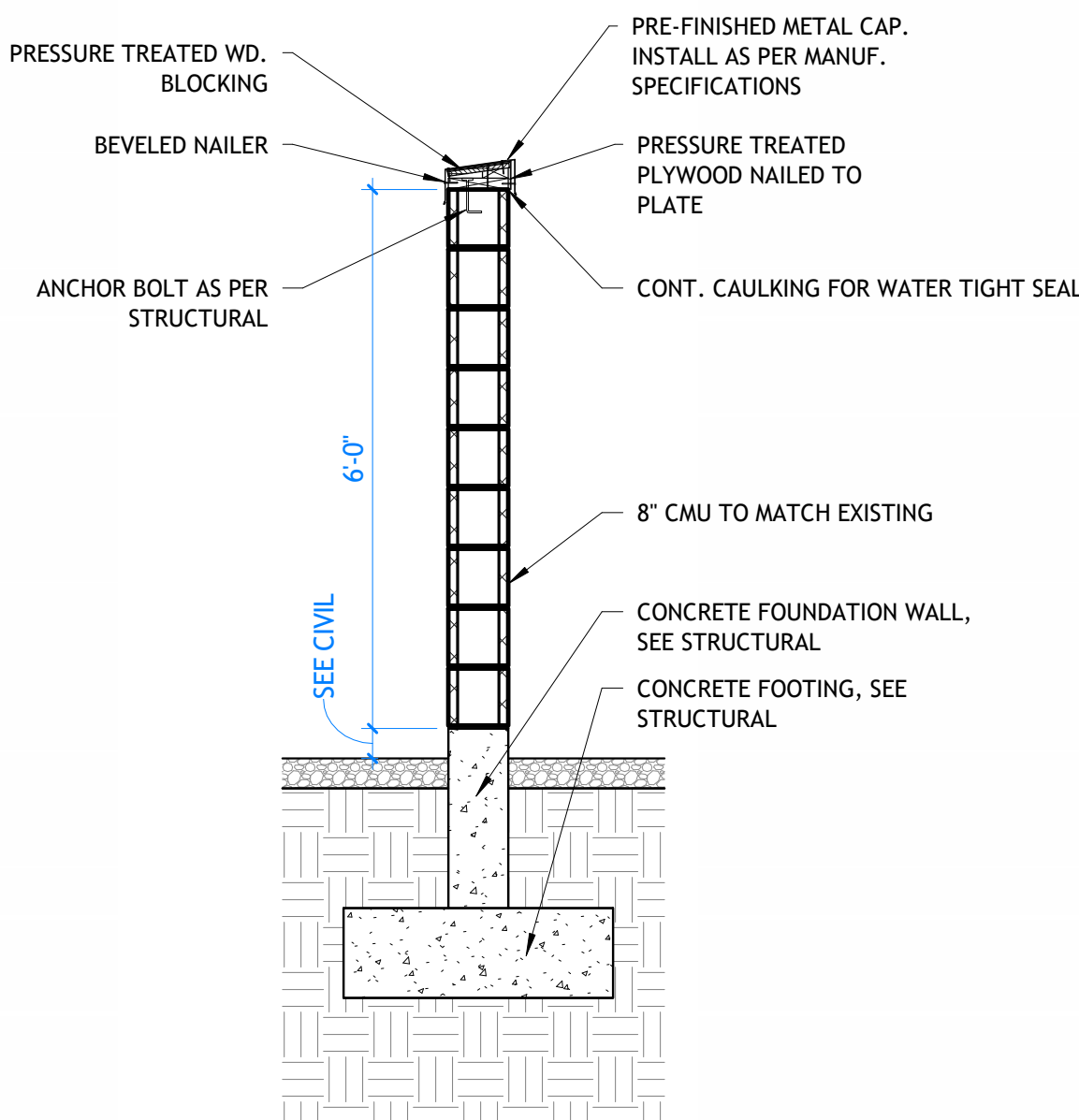
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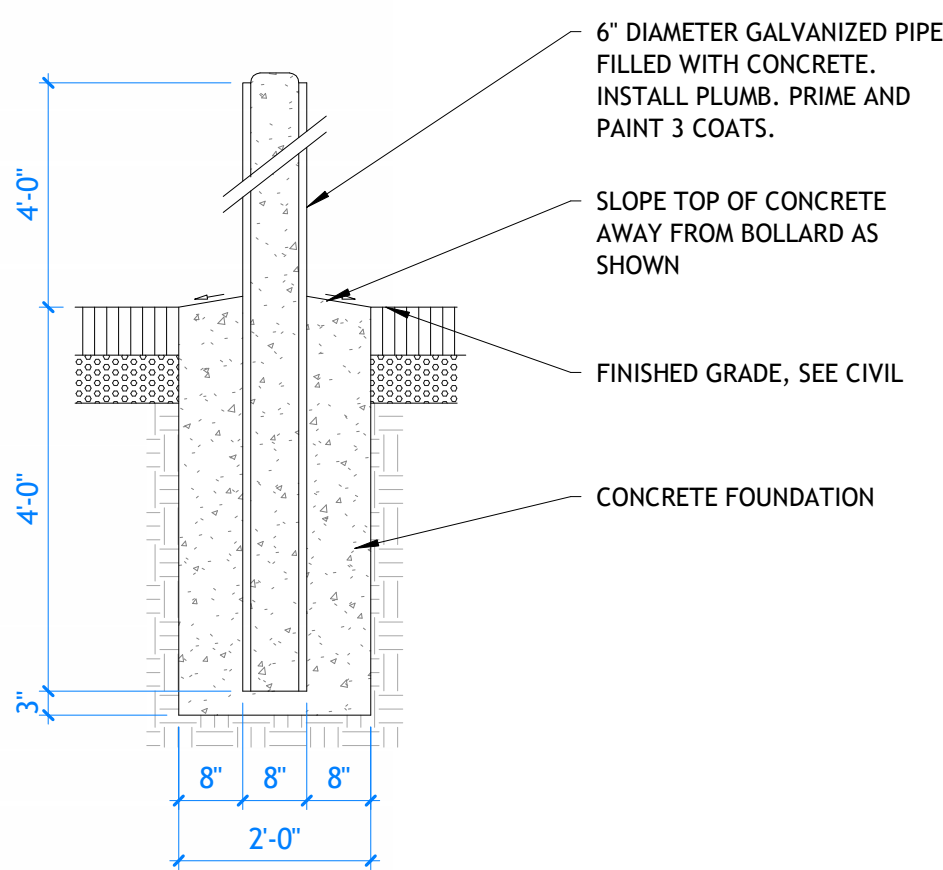
A5 TYPICAL PREFABRICATED METAL STAIR

A501 | SCALE: 1/2" = 1'-0"



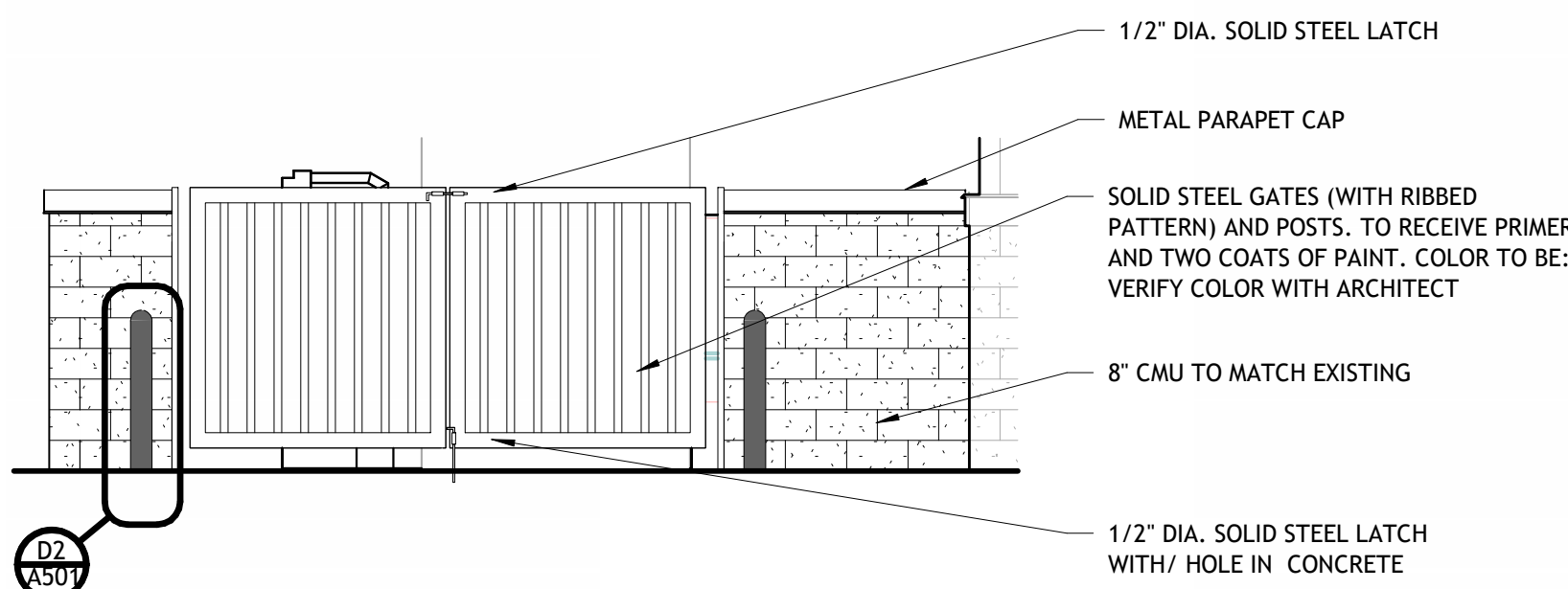
C3 MECHANICAL ENCLOSURE - TYP. WALL SECTION

A501 | SCALE: 1/2" = 1'-0"



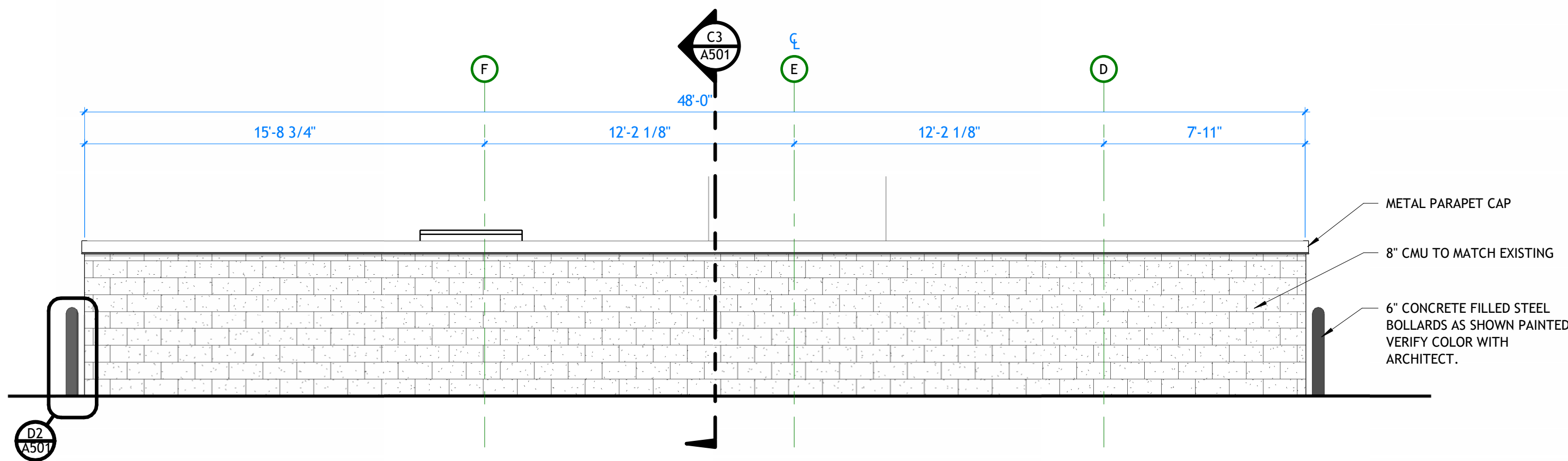
D2 BOLLARD DETAIL

A501 | SCALE: 1/2" = 1'-0"



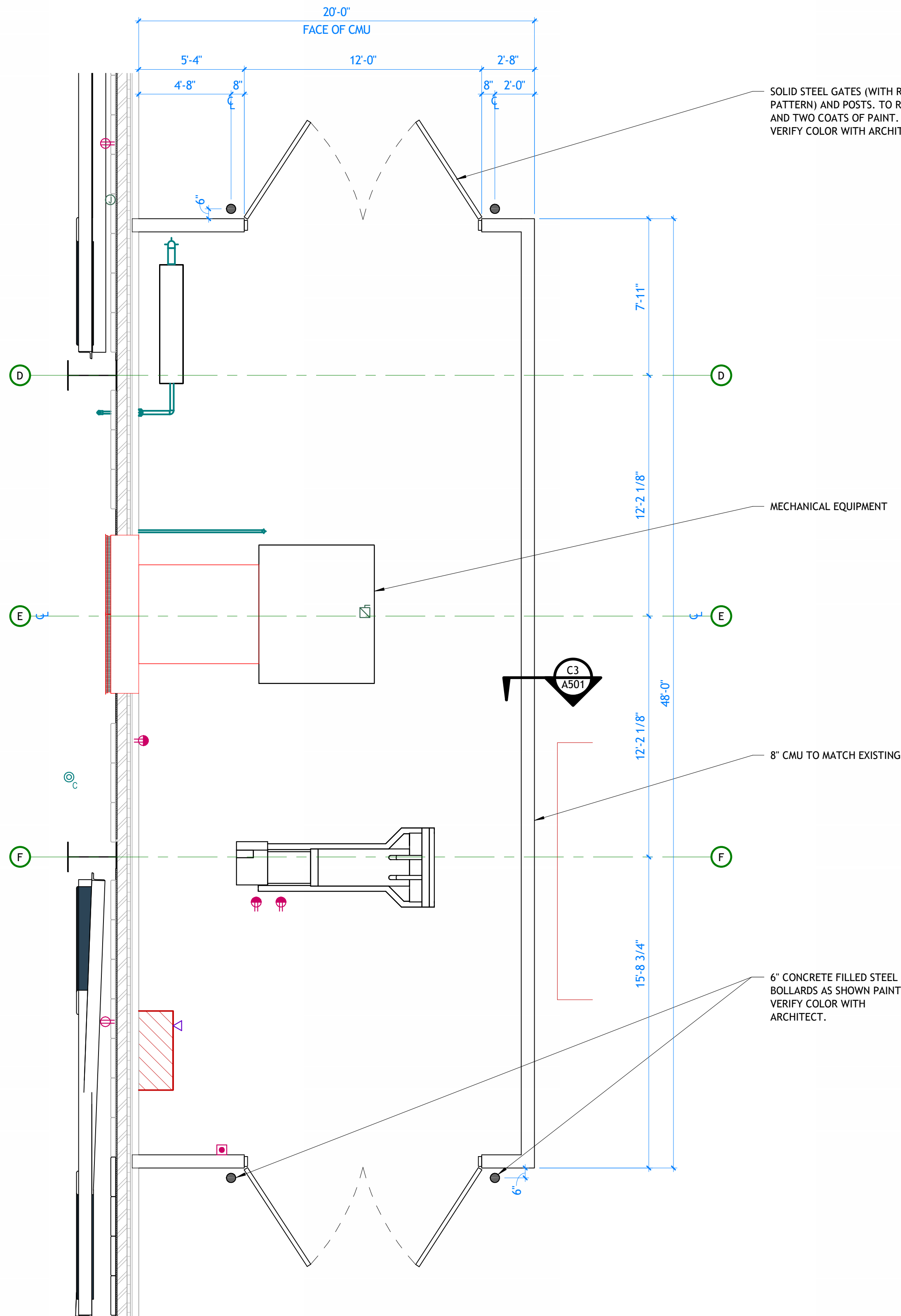
D3 MECHANICAL ENCLOSURE - FRONT ELEVATION

A501 | SCALE: 1/4" = 1'-0"



E2 MECHANICAL ENLCOSURE - SIDE ELEVATION

A501 | SCALE: 1/4" = 1'-0"



E5 MECHANICAL ENCLOSURE - PLAN

A501 | SCALE: 1/4" = 1'-0"

GENERAL NOTES

- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
- CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
- MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
- INSULATE ENTIRE ROOF WITH R-30 CONTINUOUS POLYISOCYANURATE.
- EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
- SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
- RECOMMENDATIONS FOUND IN THE GEOTECHNICAL STUDY PERFORMED ARE TO BE FOLLOWED STRICTLY.
- SEE STRUCTURAL ENGINEERING SHEETS AND WALL TYPES FOR GAUGE OF METAL STUDS.

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS		
Δ	DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

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SHEET TITLE

ARCHITECTURAL DETAILS

SHEET NUMBER

A501



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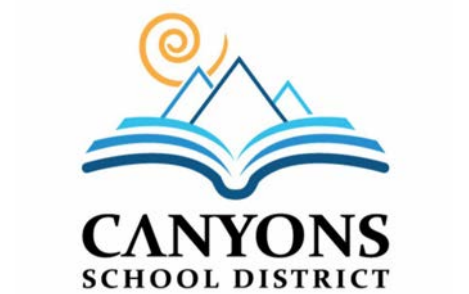
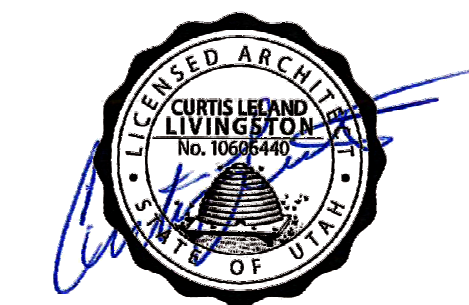
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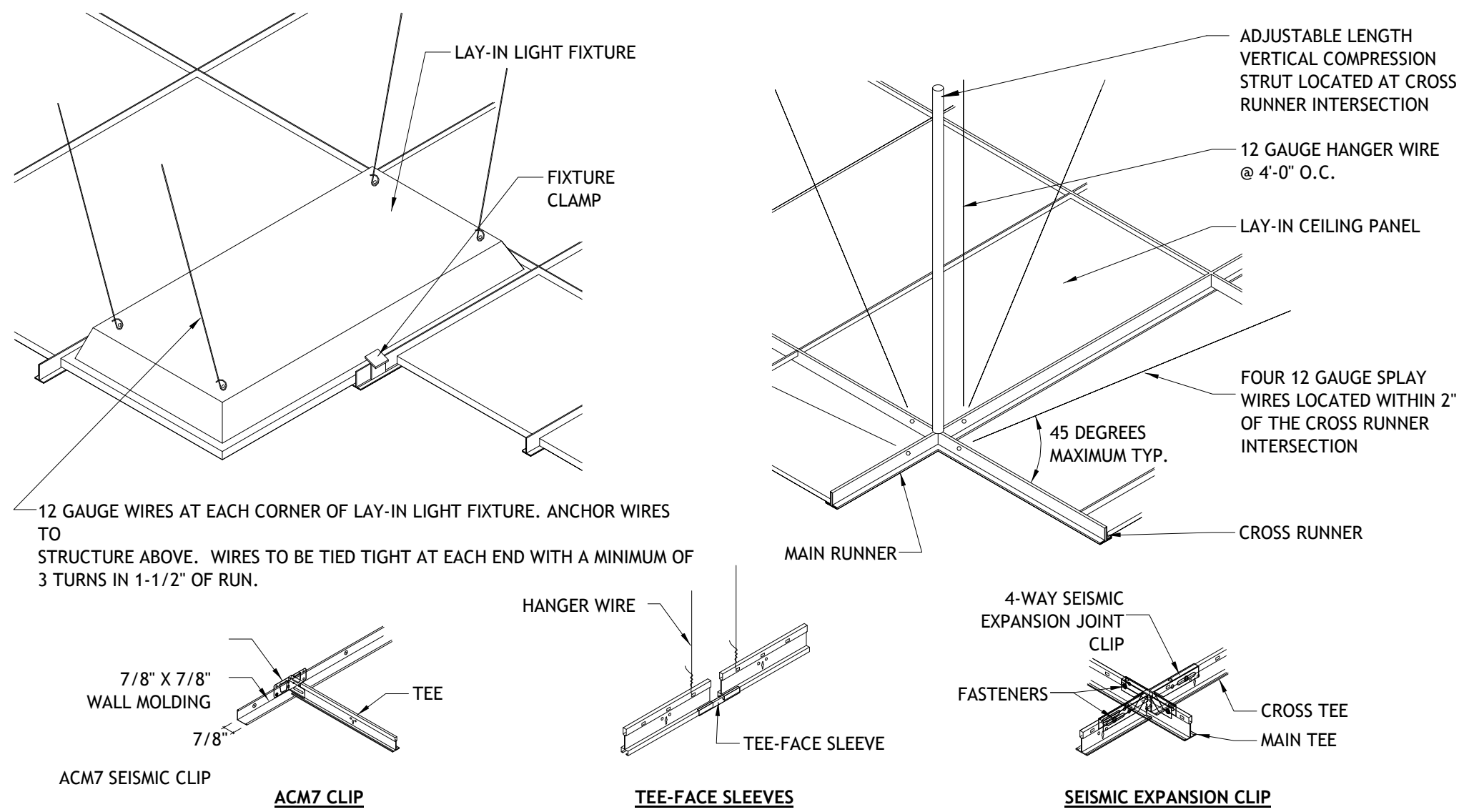


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Δ DESCRIPTION	DATE

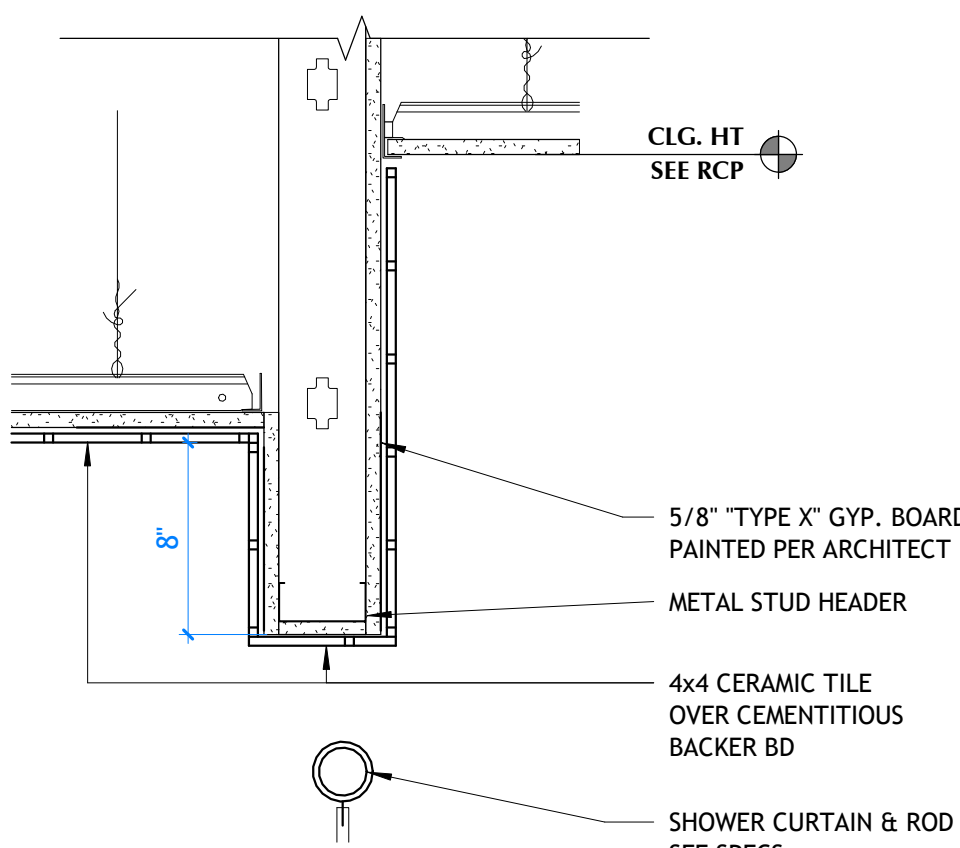
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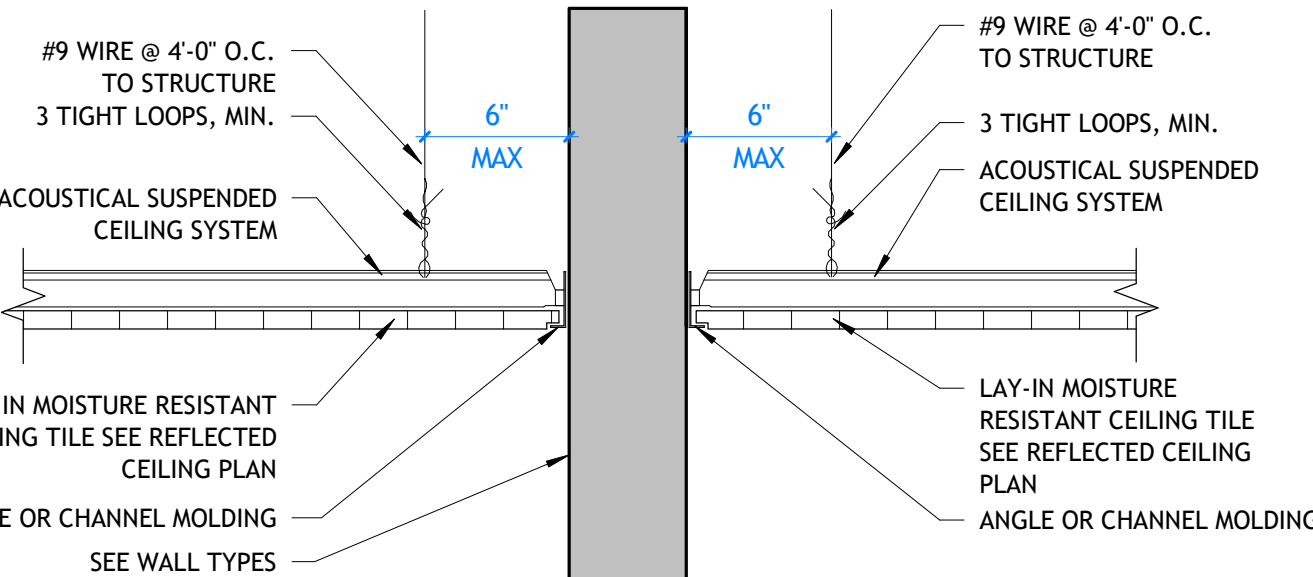
**CEILING  
DETAILS**



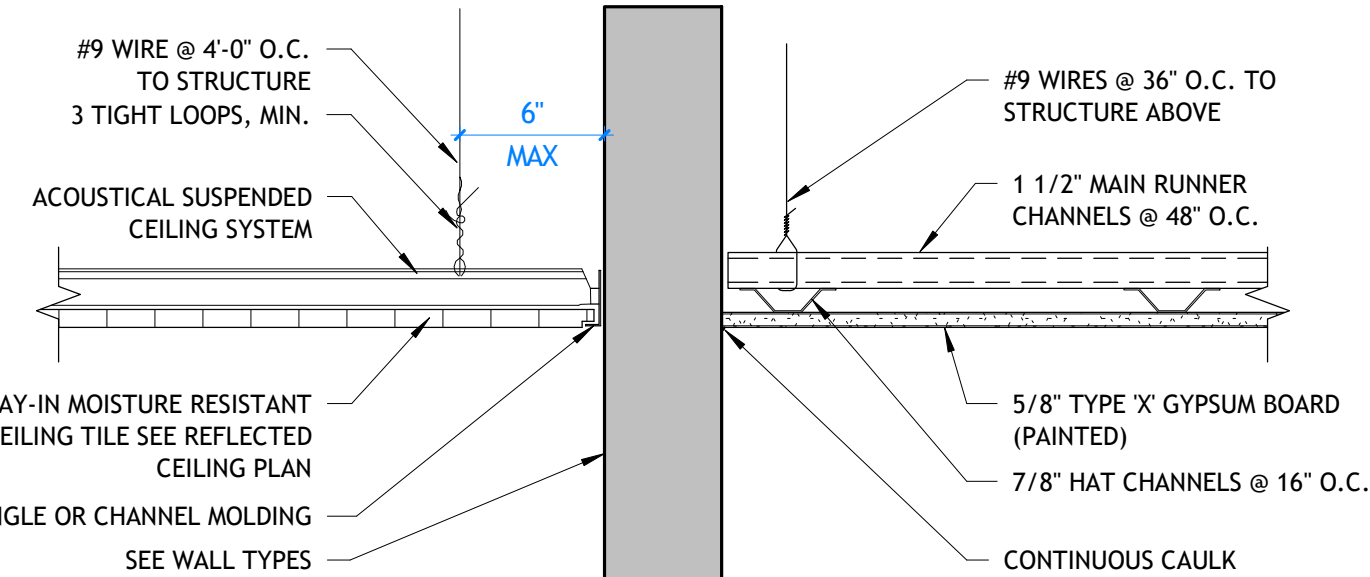
**C5** SEISMIC CEILING DETAIL  
A520 | SCALE: 1 1/2" = 1'-0"



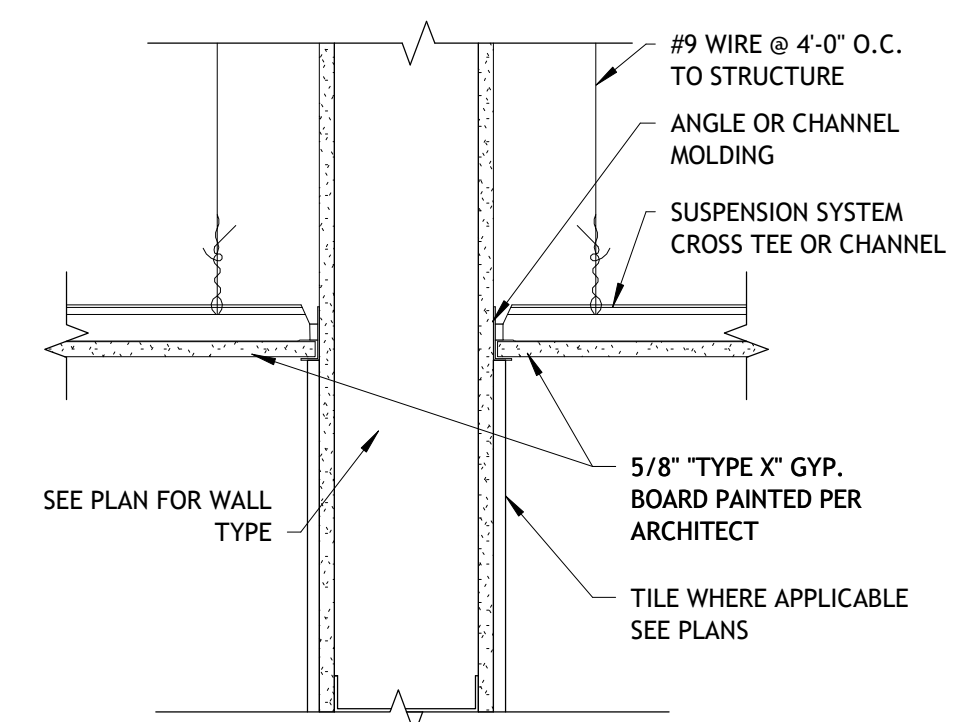
**D3** TRANSITION @ SHOWER  
A520 | SCALE: 1 1/2" = 1'-0"



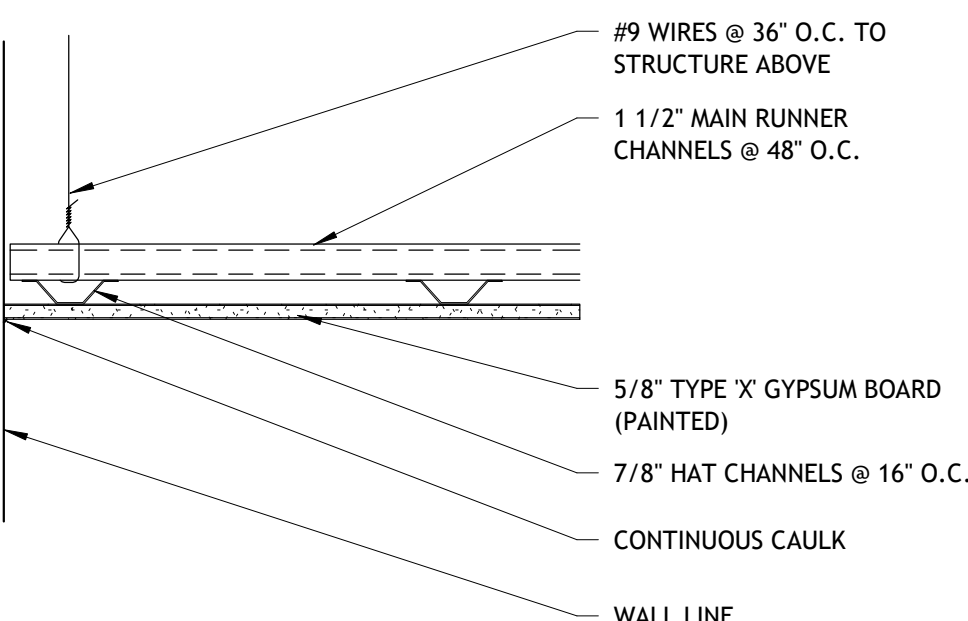
**D4** TYP. CEILING TRANSITION DETAIL  
A520 | SCALE: 1 1/2" = 1'-0"



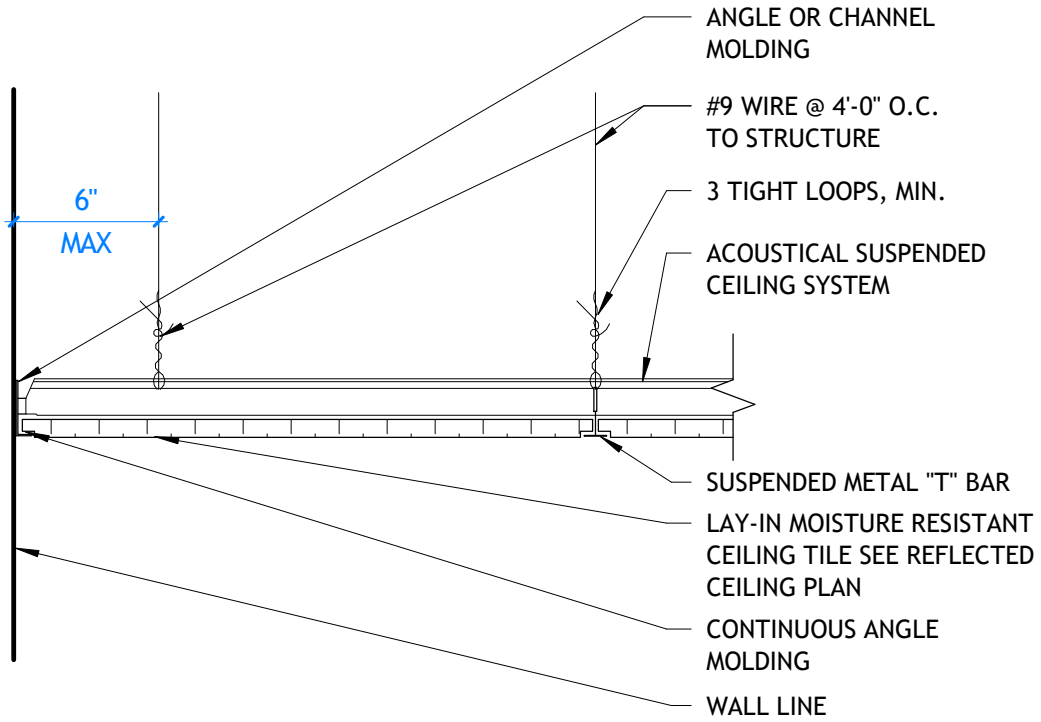
**D6** TYP. CEILING TRANSITION DETAIL (GYP. & ACT)  
A520 | SCALE: 1 1/2" = 1'-0"



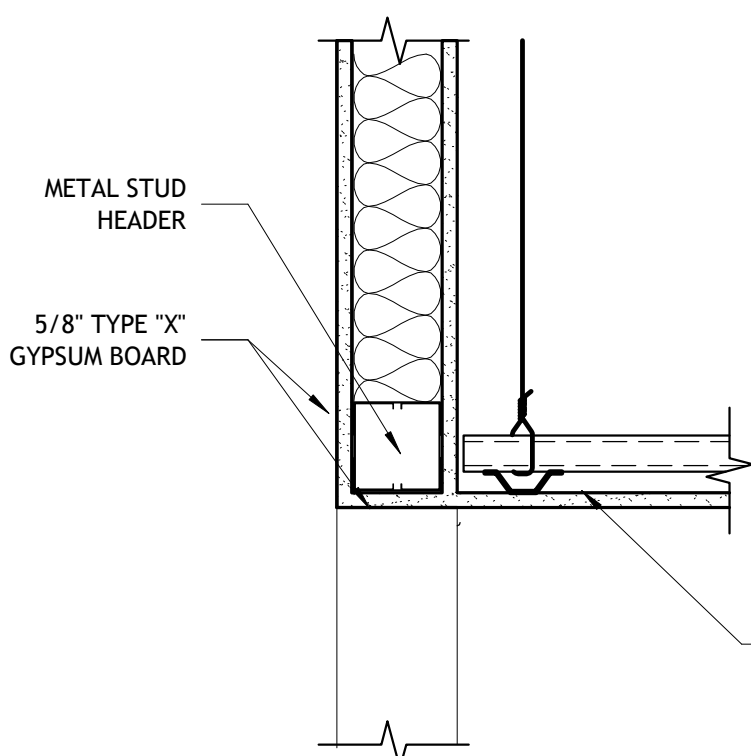
**E3** GYP. CEILING TRANSITION DETAIL  
A520 | SCALE: 1 1/2" = 1'-0"



**E4** SUSPENDED GYP BOARD CEILING  
A520 | SCALE: 1 1/2" = 1'-0"



**E5** ACOUSTICAL CEILING DETAIL  
A520 | SCALE: 1 1/2" = 1'-0"



**E6** HEADER DETAIL  
A520 | SCALE: 1 1/2" = 1'-0"

**SUSPENDED CEILING SYSTEM NOTES:**

- SUSPENDED CEILING SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH IBC 808.1.1.1, ASTM C635/636, ASCE 7, AND CISCA 3-4.
- ALL CEILINGS ARE TO HAVE VERTICAL COMPRESSION STRUTS, SEISMIC BRACING, HANGERS, ETC., AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4.
- HEAVY DUTY T-BAR SYSTEM WITH PERIMETER SUPPORTING CLOSURE ANGLE AND CODE COMPLIANT SEISMIC CLIPS IS REQUIRED. ATTACHED ONE END OF THE CEILING GRID TO THE CLOSURE ANGLE IN EACH DIRECTION. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON THE BE FREE TO SLIDE ON THE CLOSURE ANGLE.
- SPLAY WIRES AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4. ALL SPLAY WIRES ARE TO BE IN LINE WITH ATTACHED COMPONENT AND ARE TO BE TIED TIGHT AT EACH END WITH A MINIMUM OF 3 TURNS IN 1-1/2" OF RUN.
- ANCHOR WIRES ONLY TO STRUCTURAL MEMBERS AND DECKING IN AN APPROVED MANNER PER CISCA 3-4 DO NOT ANCHOR TO BRIDGING. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOT SHALL THEY BE LESS THAN 6" TO ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
- SUPPORT ALL RUNNERS AT 8" MAXIMUM FROM WALL OR CEILING DISCONTINUITY.
- FOUR-WAY DIAGONAL BRACING AND COMPRESSION STRUTS 12'-0" O.C., EACH WAY.
- PROVIDE CEILING HORIZONTAL RESTRAINT TO THE STRUCTURE ABOVE FOR CEILING AREAS GREATER THAN 1,000 SQUARE FEET TO MINIMIZE DIAPHRAGM LOADS.
- PROVIDE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS FOR CEILING AREAS GREATER THAN 2,500 SQUARE FEET.
- CHANGES IN CEILING PLANE ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
- CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENT FROM THE SUSPENDED CEILING SYSTEM.
- PROVIDE 2" OVERSIZE RINGS, SLEEVES OR ADAPTERS THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT FOR AT LEAST 1" MOVEMENT IN ALL DIRECTIONS FOR FIRE SPRINKLER HEADS AND OTHER SIMILAR PENETRATIONS.
- SPECIAL INSPECTION REQUIRED OF SUSPENDED CEILING SYSTEMS.
- ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDENT OF CEILING SUPPORT SYSTEM, TO STRUCTURAL ABOVE. SEE ELECTRICAL SHEETS.



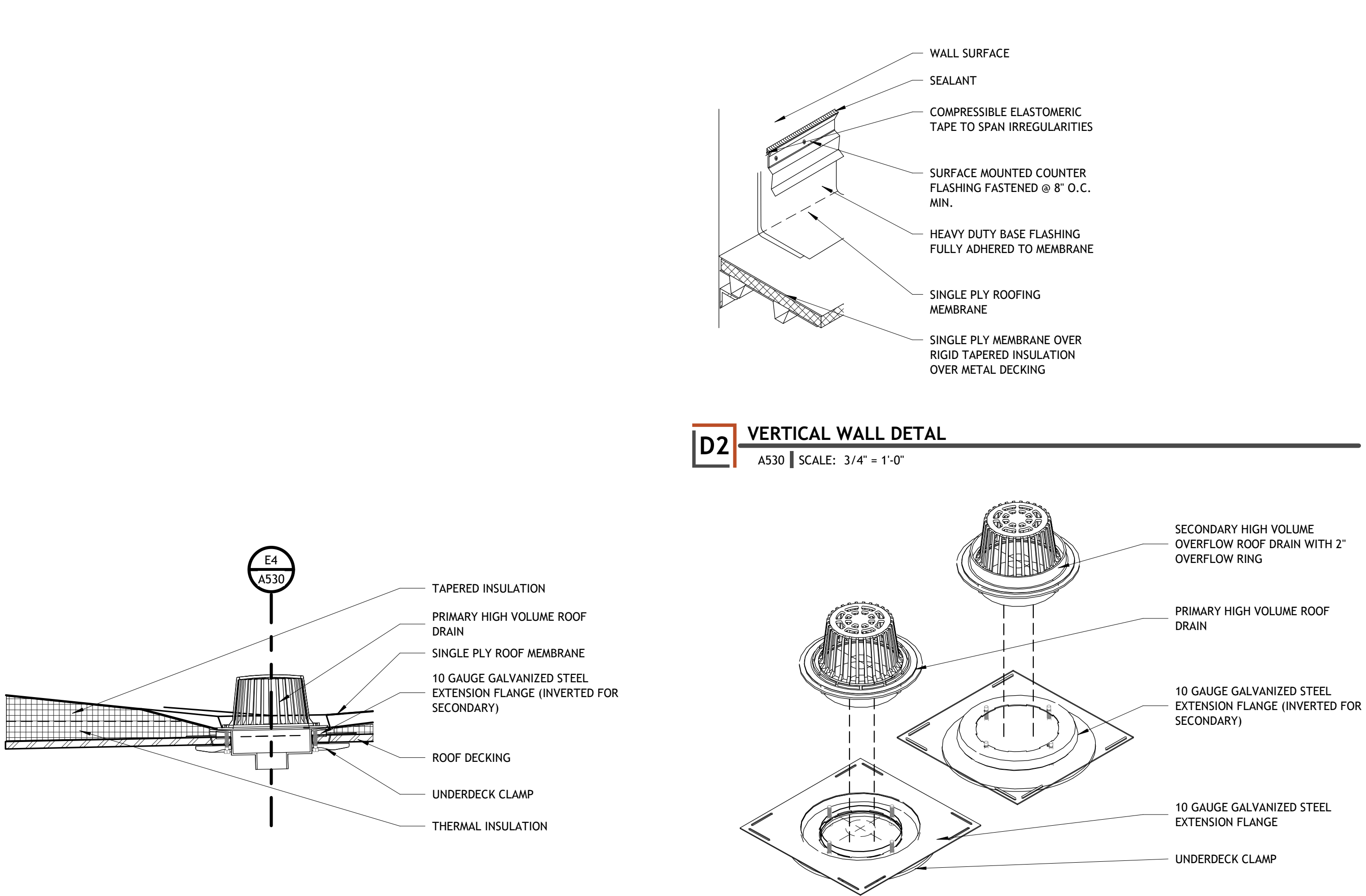
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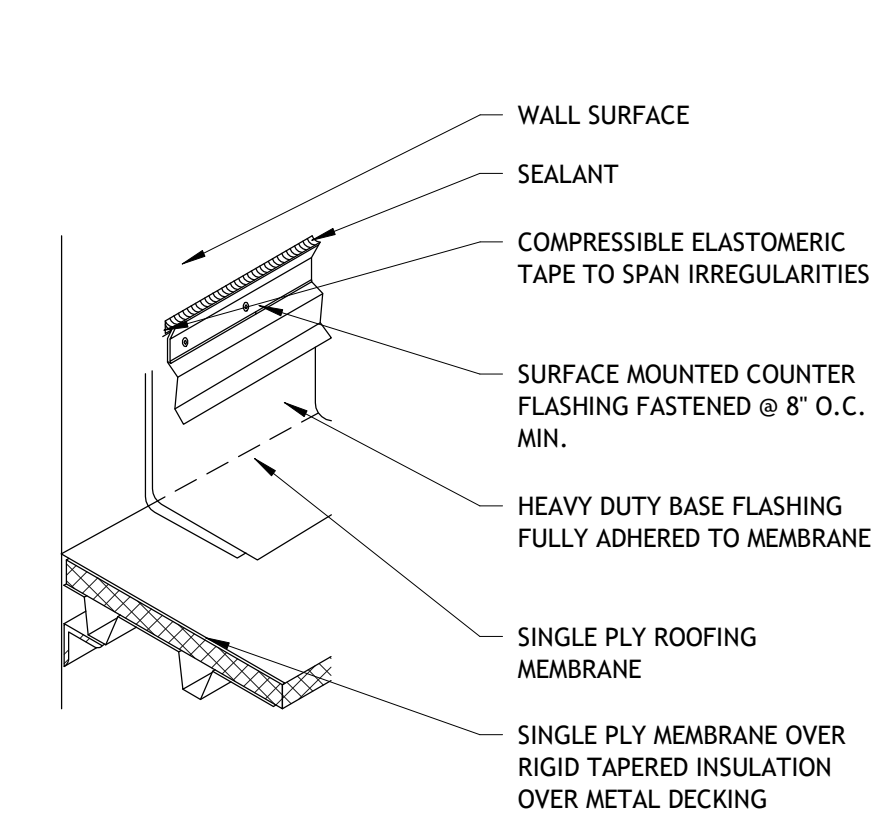
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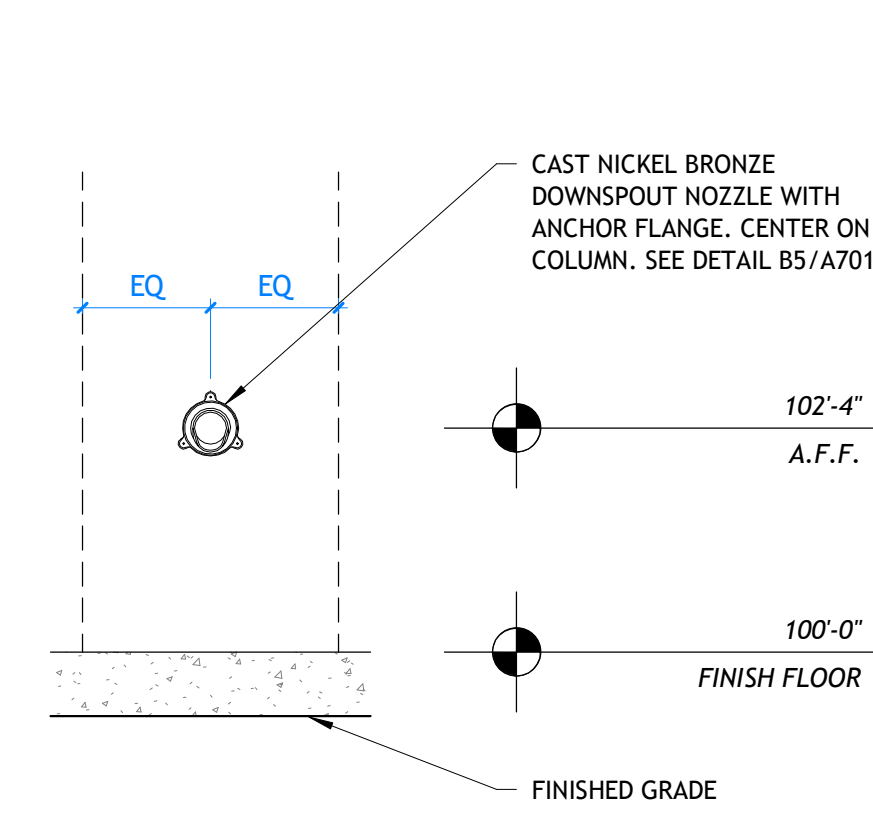
**E1** PRIMARY DRAIN SECTION  
A530 | SCALE: 1" = 1'-0"

**E2** ROOF DRAIN ISO  
A530 | SCALE: 1" = 1'-0"

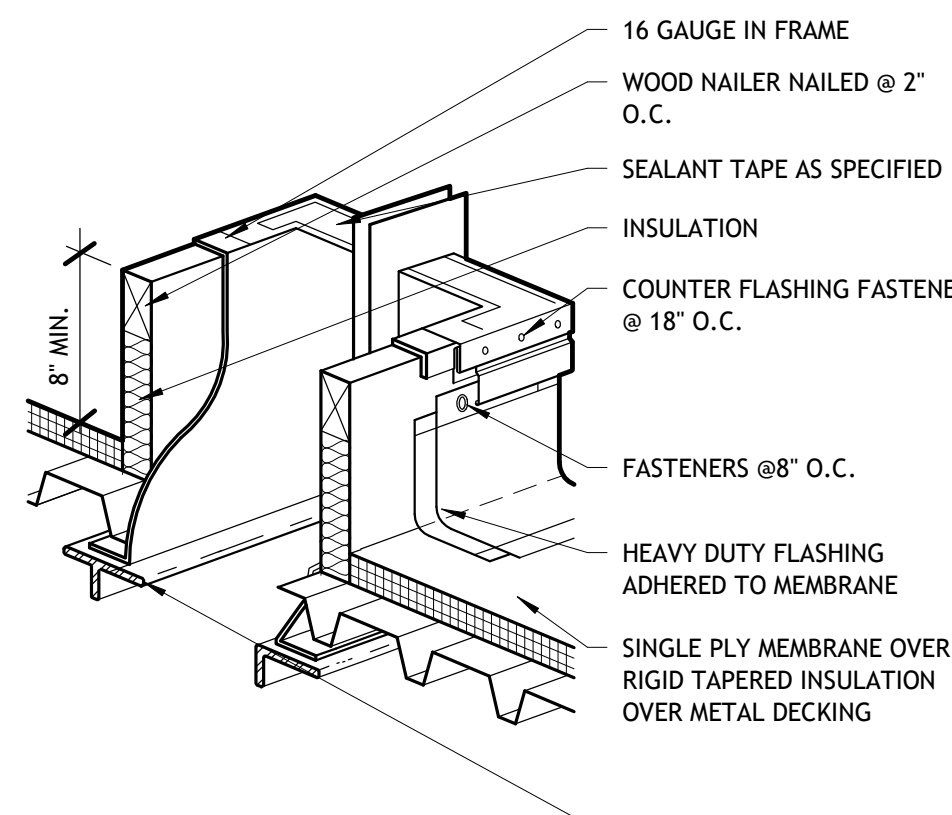
**E4** ROOF DRAIN SECTION  
A530 | SCALE: 1" = 1'-0"



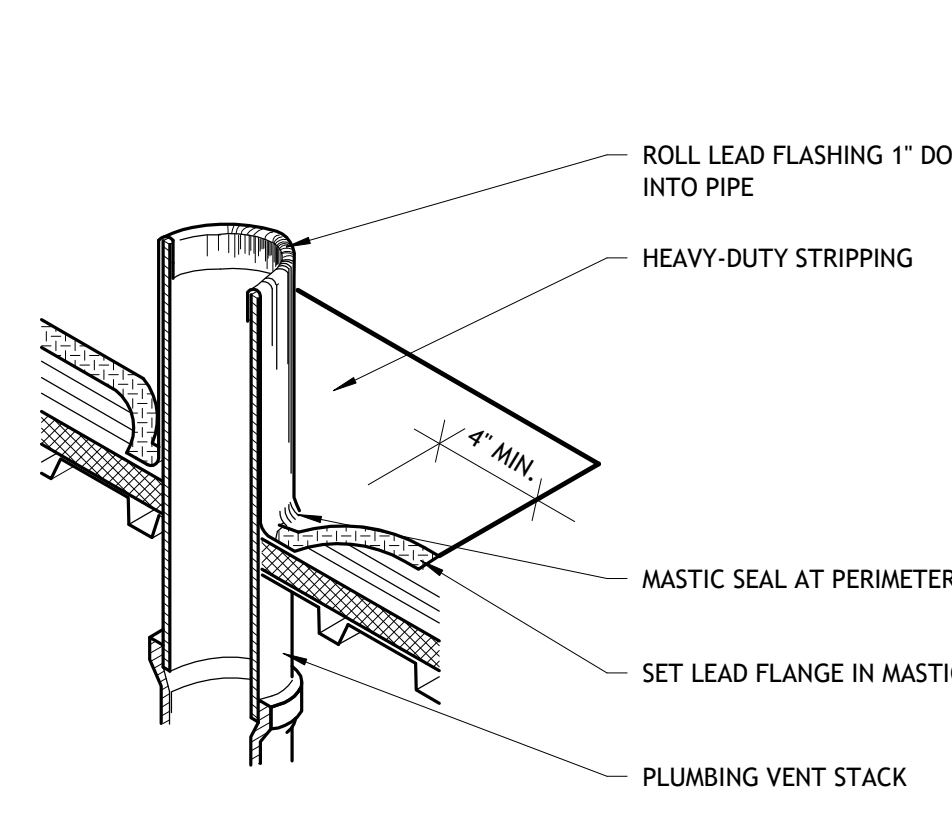
**D2** VERTICAL WALL DETAIL  
A530 | SCALE: 3/4" = 1'-0"



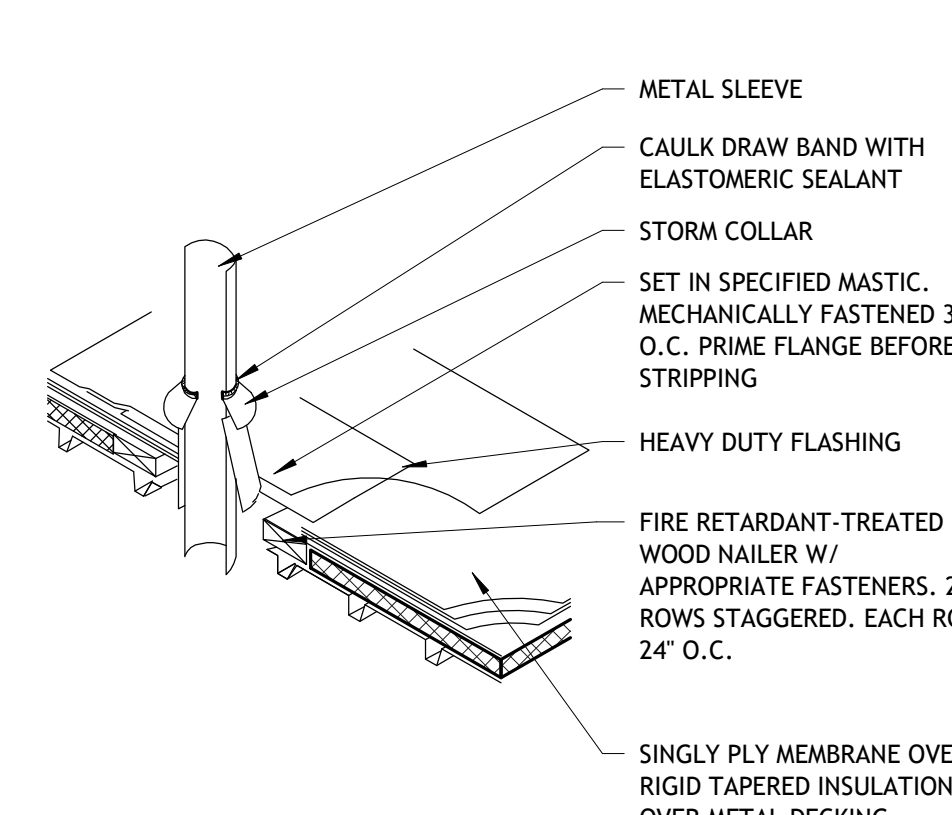
**D4** SCUPPER ELEVATION DETAIL  
A530 | SCALE: 1/2" = 1'-0"



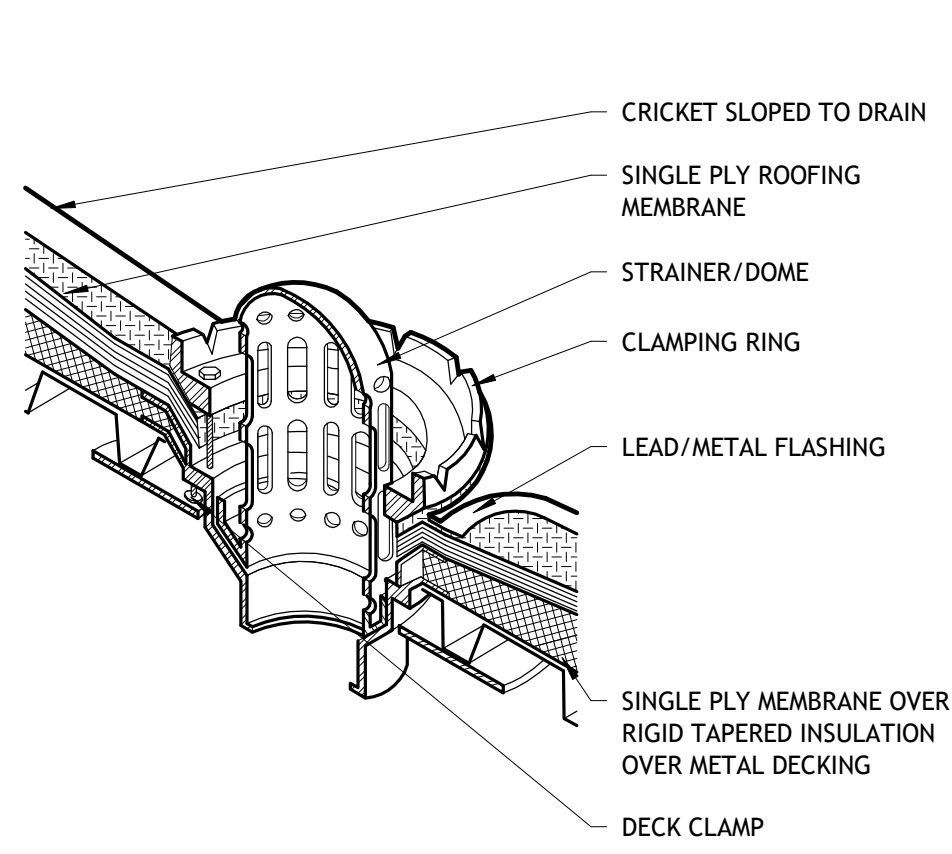
**D5** HYVAC CURB DETAIL  
A530 | SCALE: 3/4" = 1'-0"



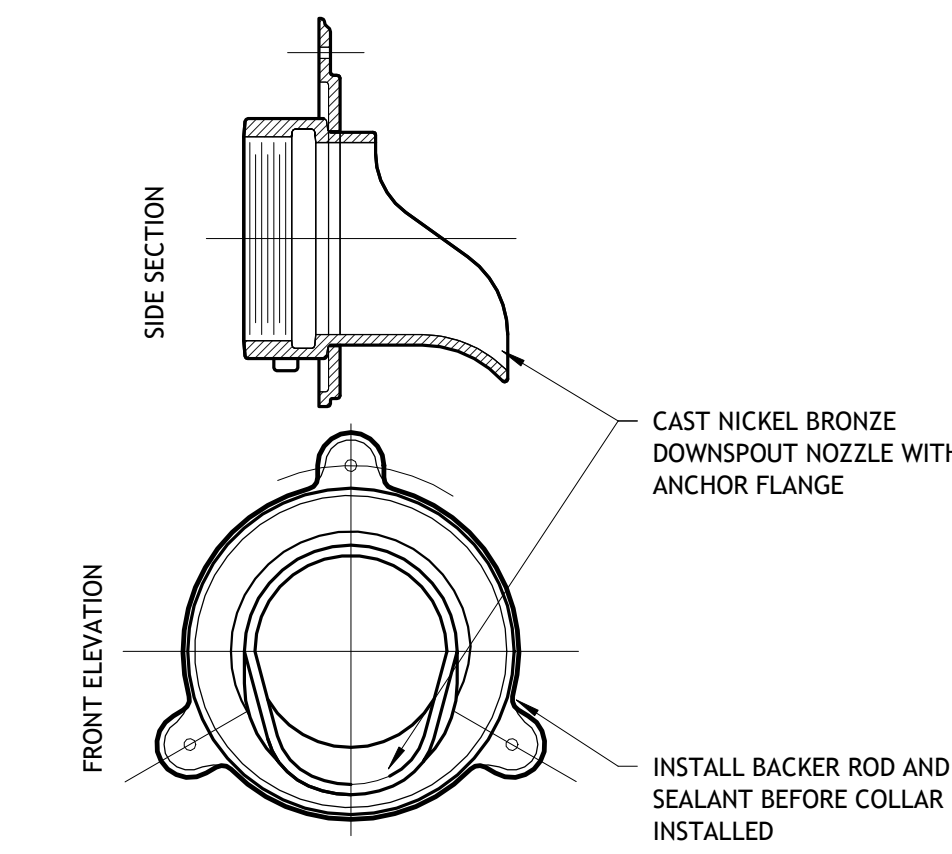
**D6** PLUMBING VENT DETAIL  
A530 | SCALE: 3/4" = 1'-0"



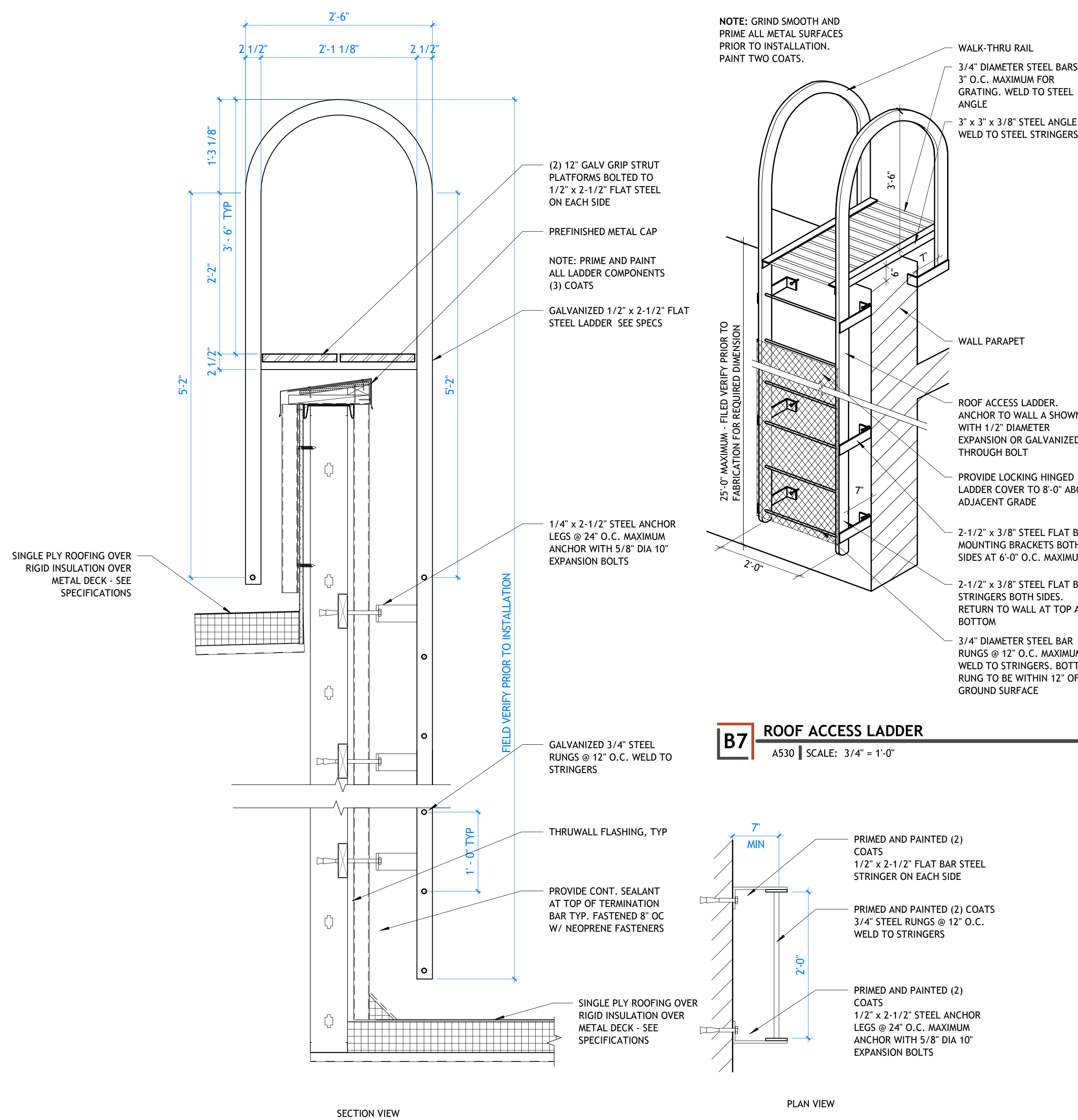
**D7** HOT PLUMBING VENT DETAIL  
A530 | SCALE: 3/4" = 1'-0"



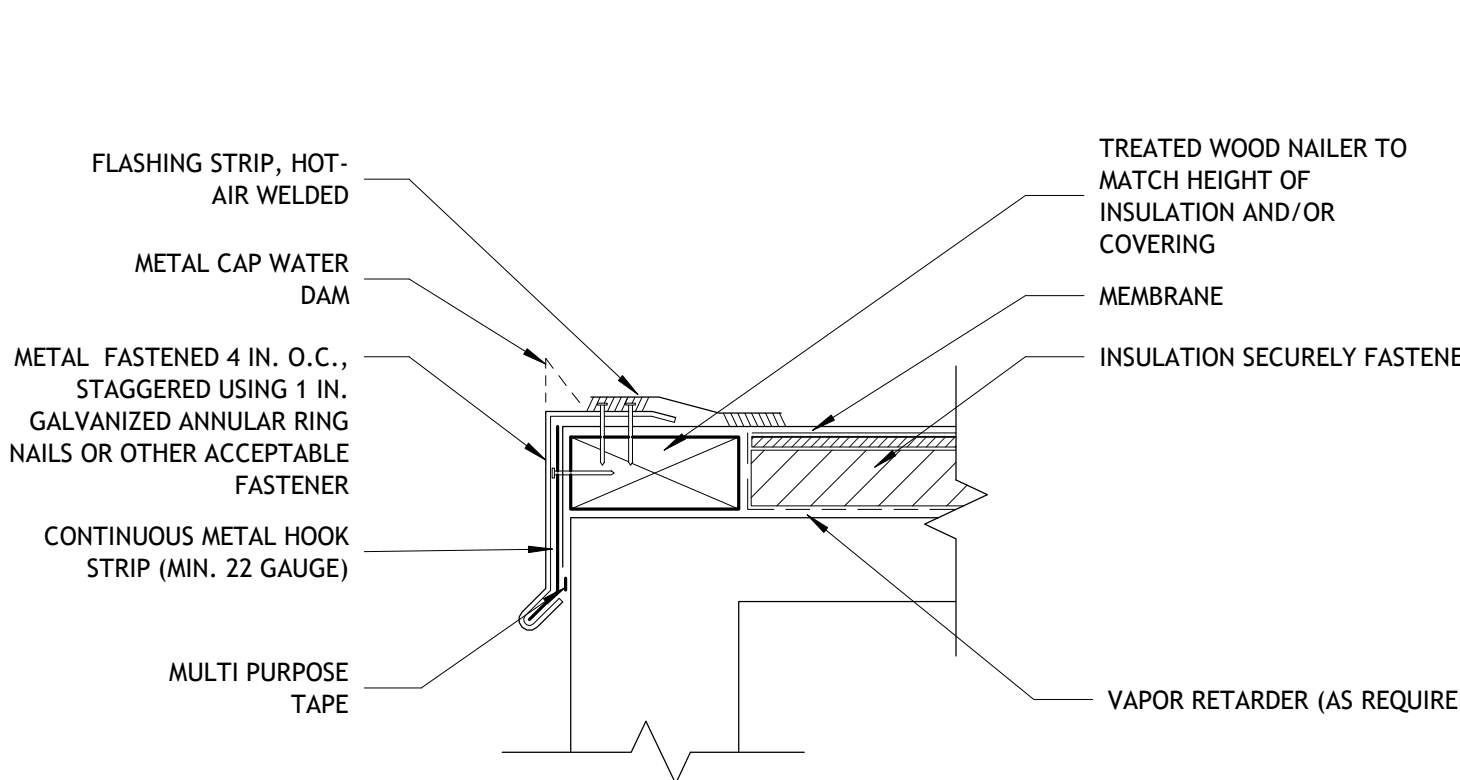
**E6** ROOF DRAIN DETAIL  
A530 | SCALE: 3/4" = 1'-0"



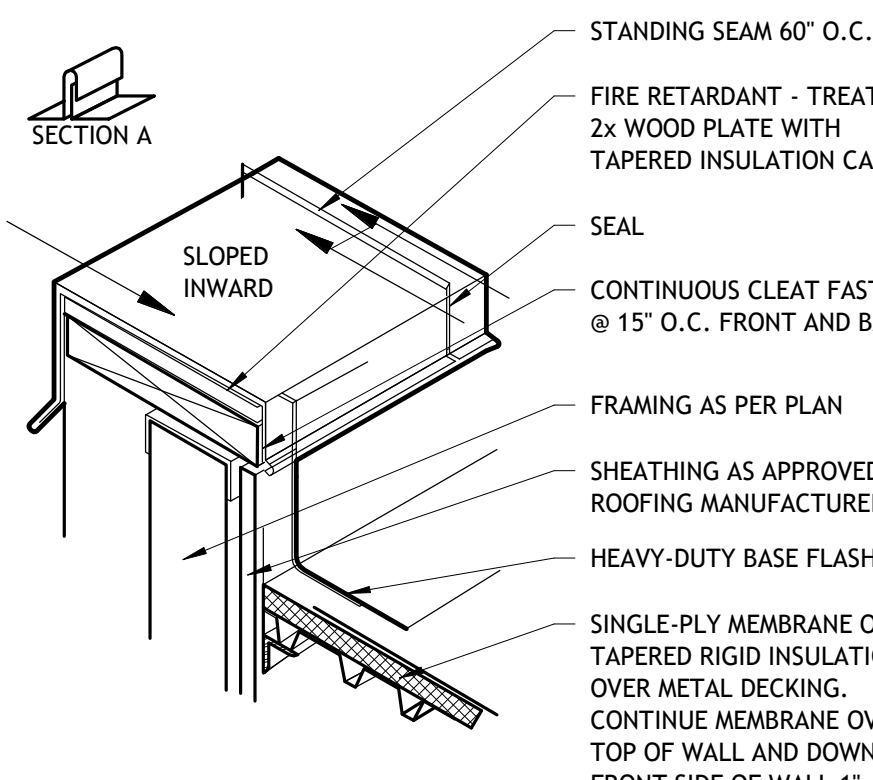
**E7** SCUPPER DETAIL  
A530 | SCALE: 3" = 1'-0"



**B7** ROOF ACCESS LADDER  
A530 | SCALE: 3/4" = 1'-0"

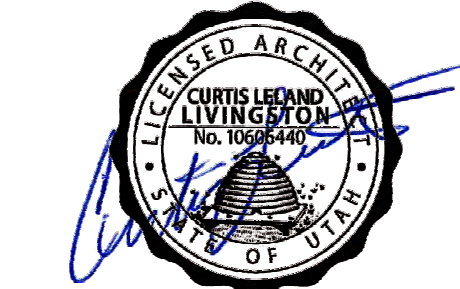


**C2** METAL EDGE  
A530 | SCALE: 3" = 1'-0"



**C4** CAP DETAIL  
A530 | SCALE: 1/2" = 1'-0"

**C5** LADDER DETAIL  
A530 | SCALE: 1" = 1'-0"



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ROOF DETAILS



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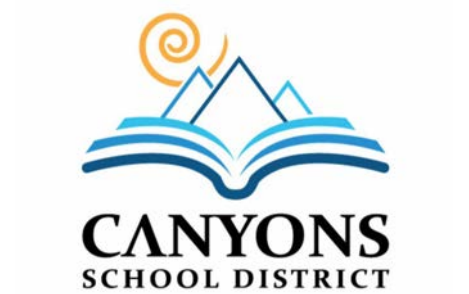
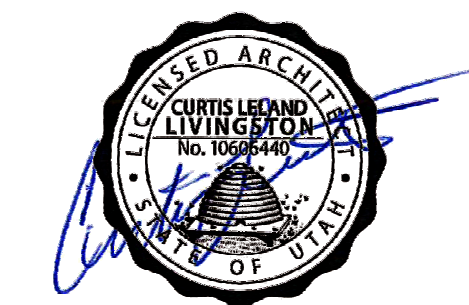
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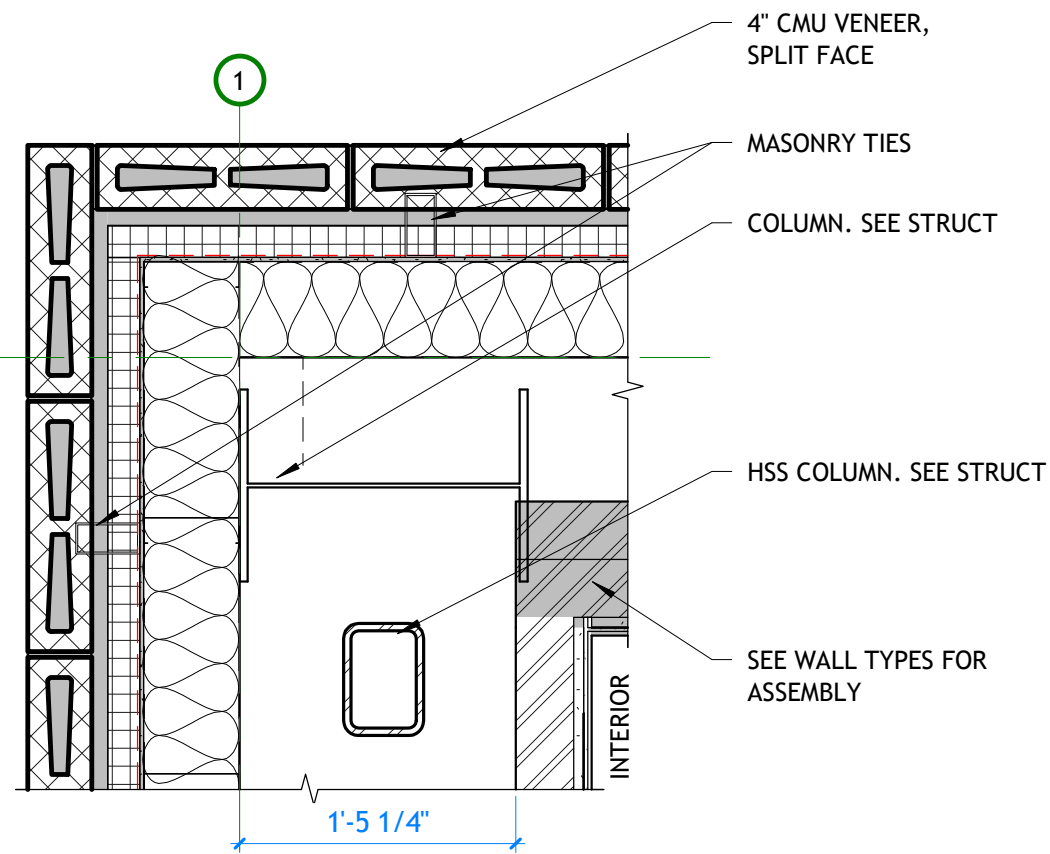


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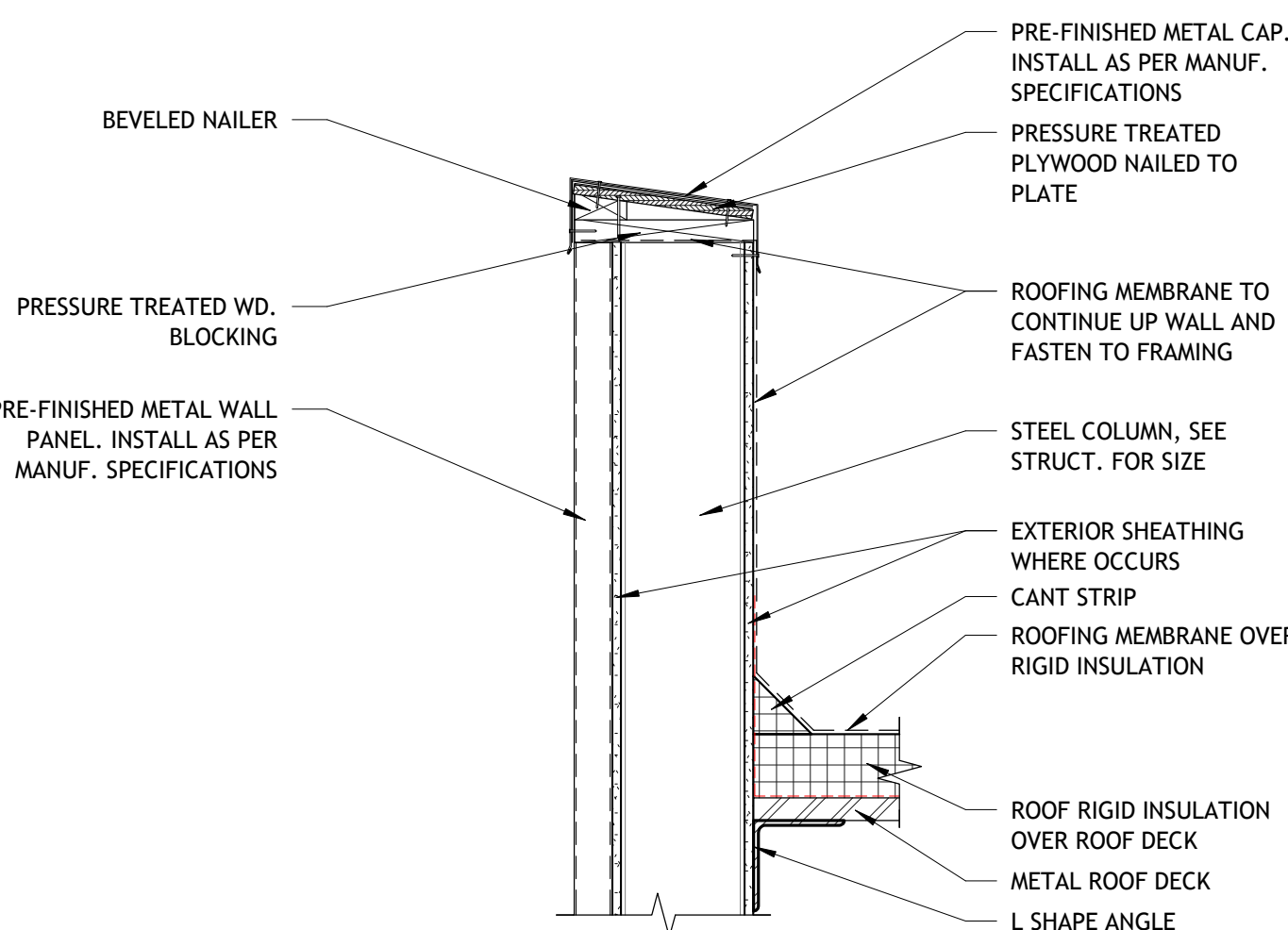
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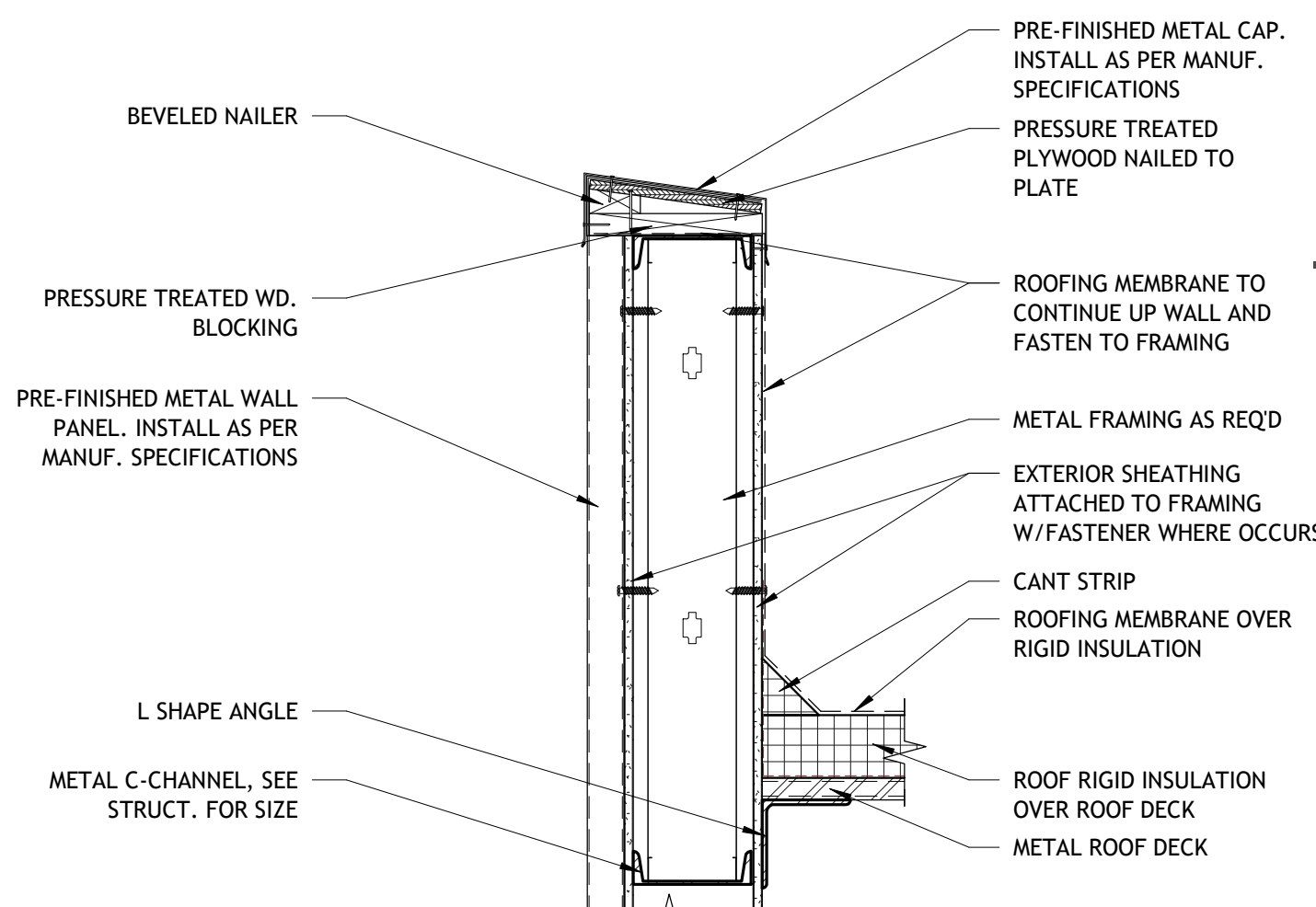
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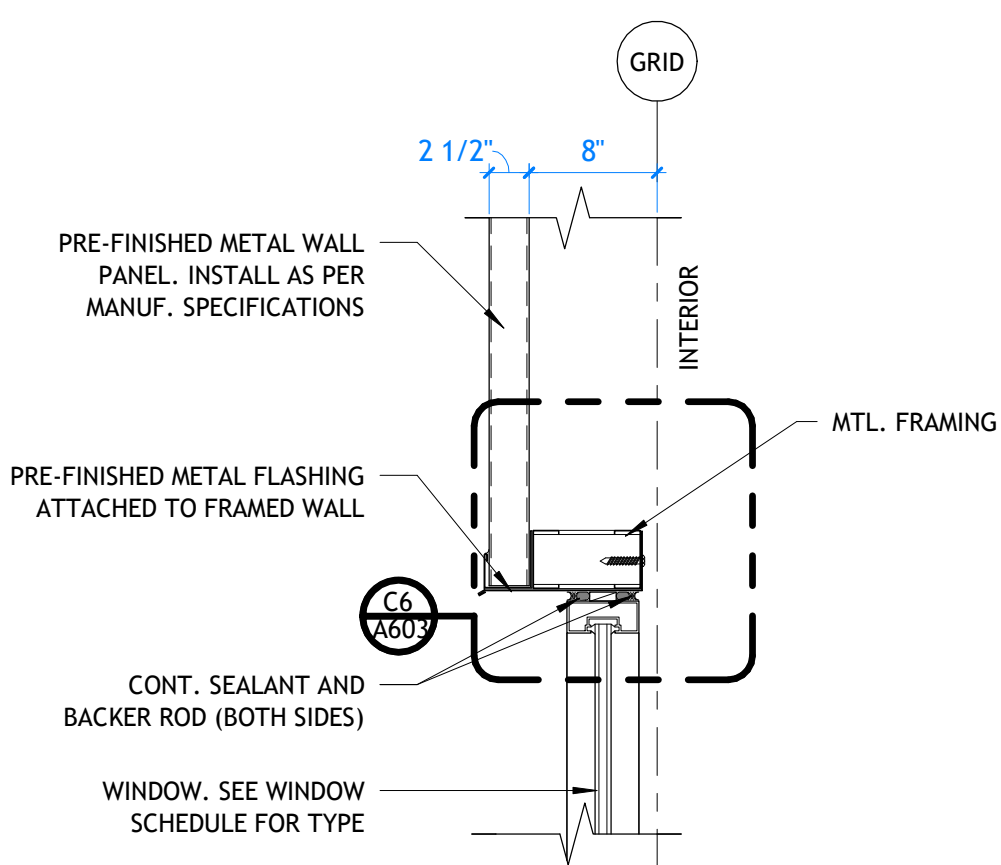
**B6** COLUMN/STRUT CONNECTION DETAIL  
A540 | SCALE: 1" = 1'-0"



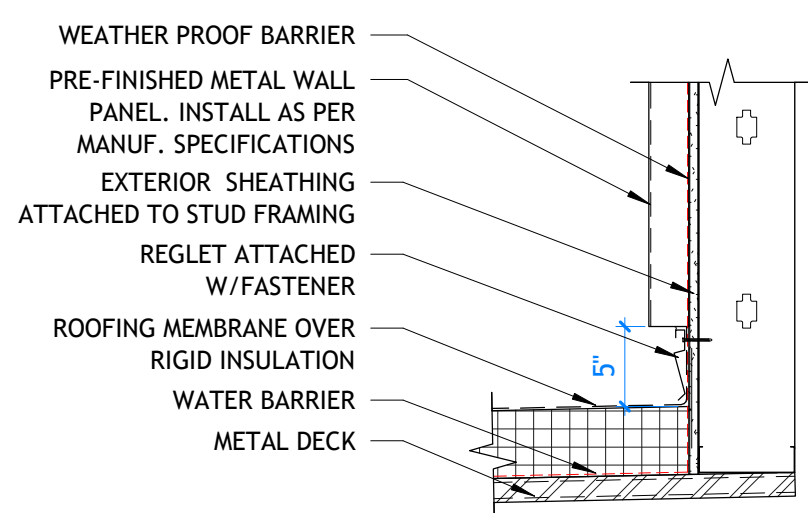
**C5** PARAPET DETAIL W/I-BEAM  
A540 | SCALE: 1" = 1'-0"



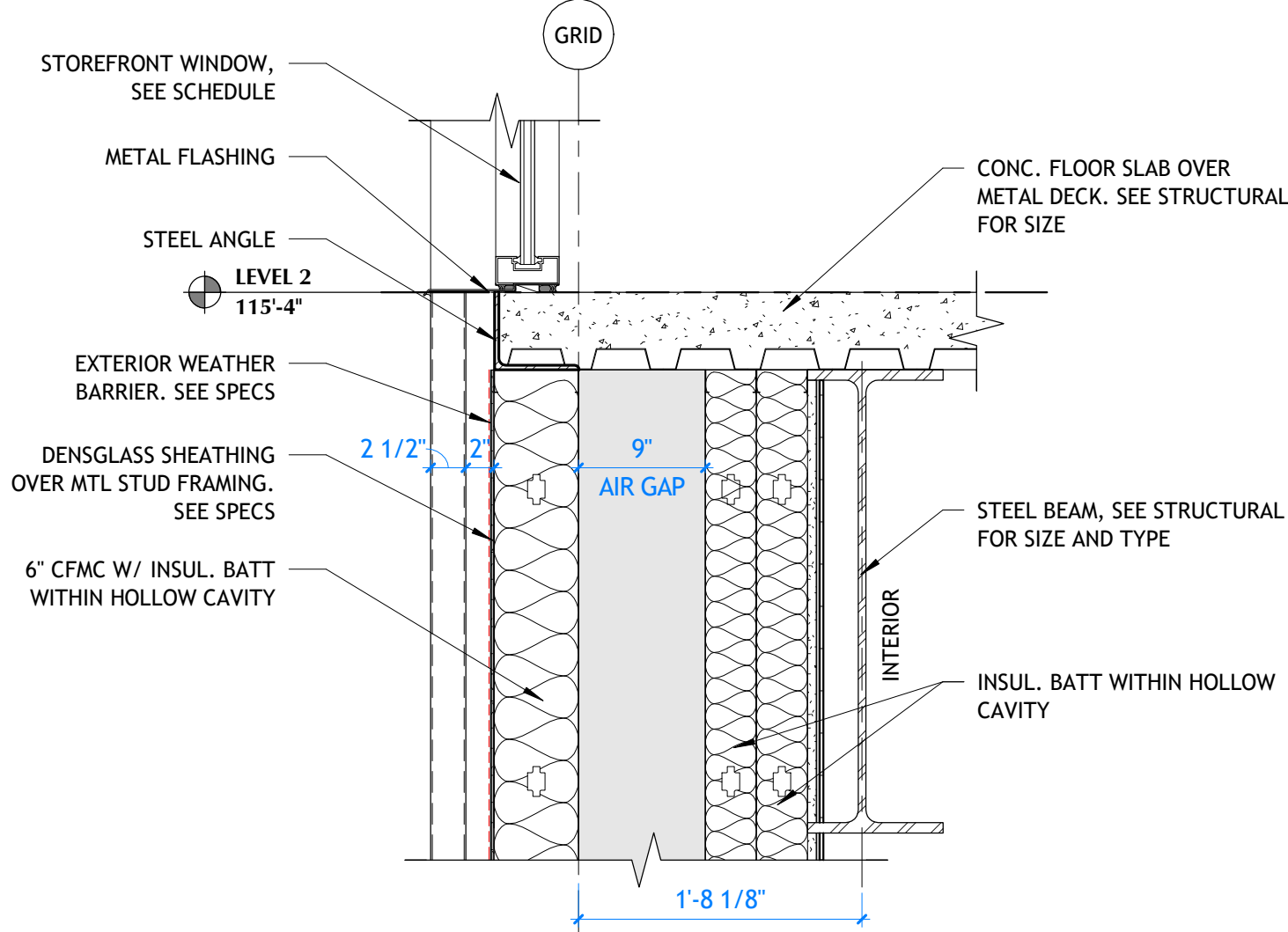
**C6** PARAPET DETAIL W/C-CHANNEL  
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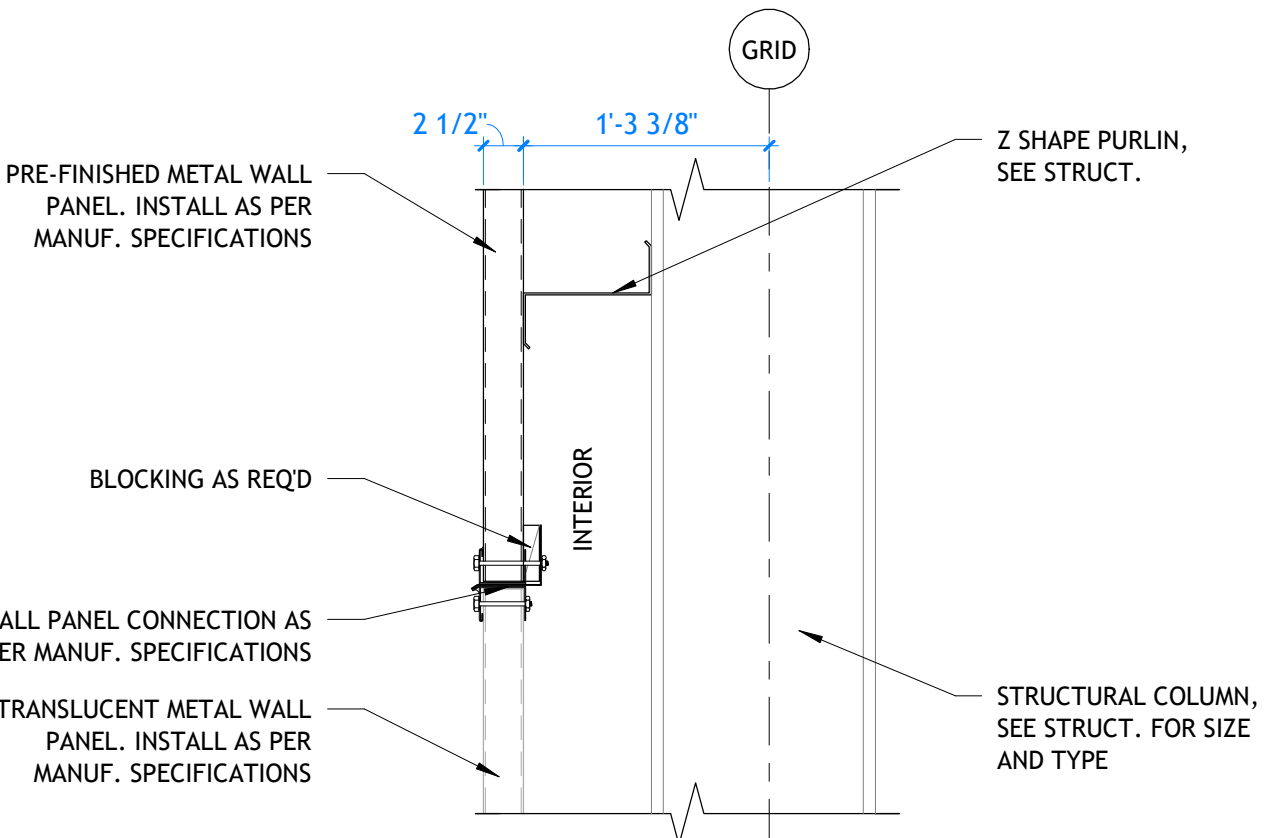
**C3** WINDOW HEAD DETAIL  
A540 | SCALE: 1" = 1'-0"



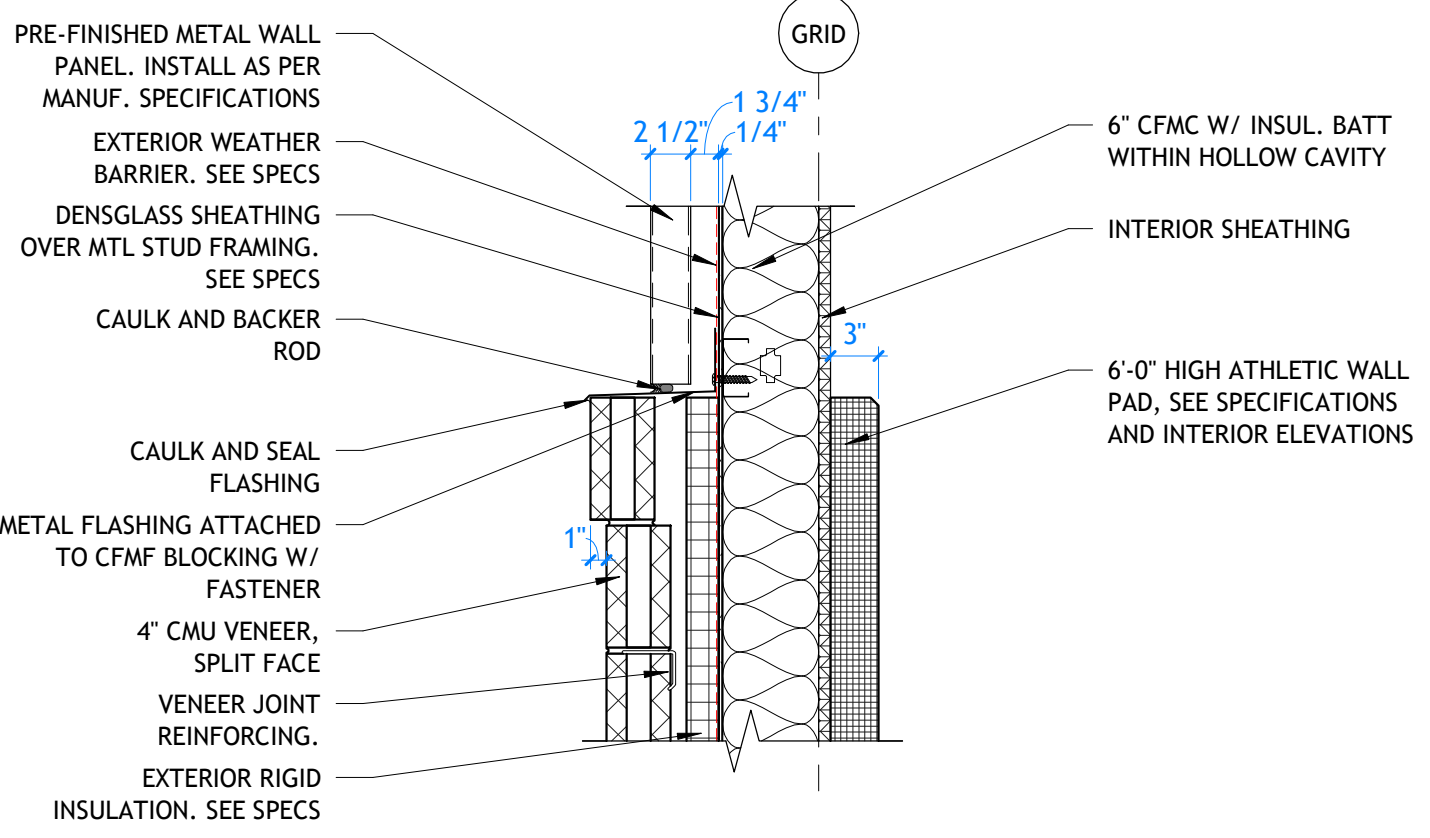
**C2** ROOF/WALL TRANSITION DETAIL  
A540 | SCALE: 1" = 1'-0"



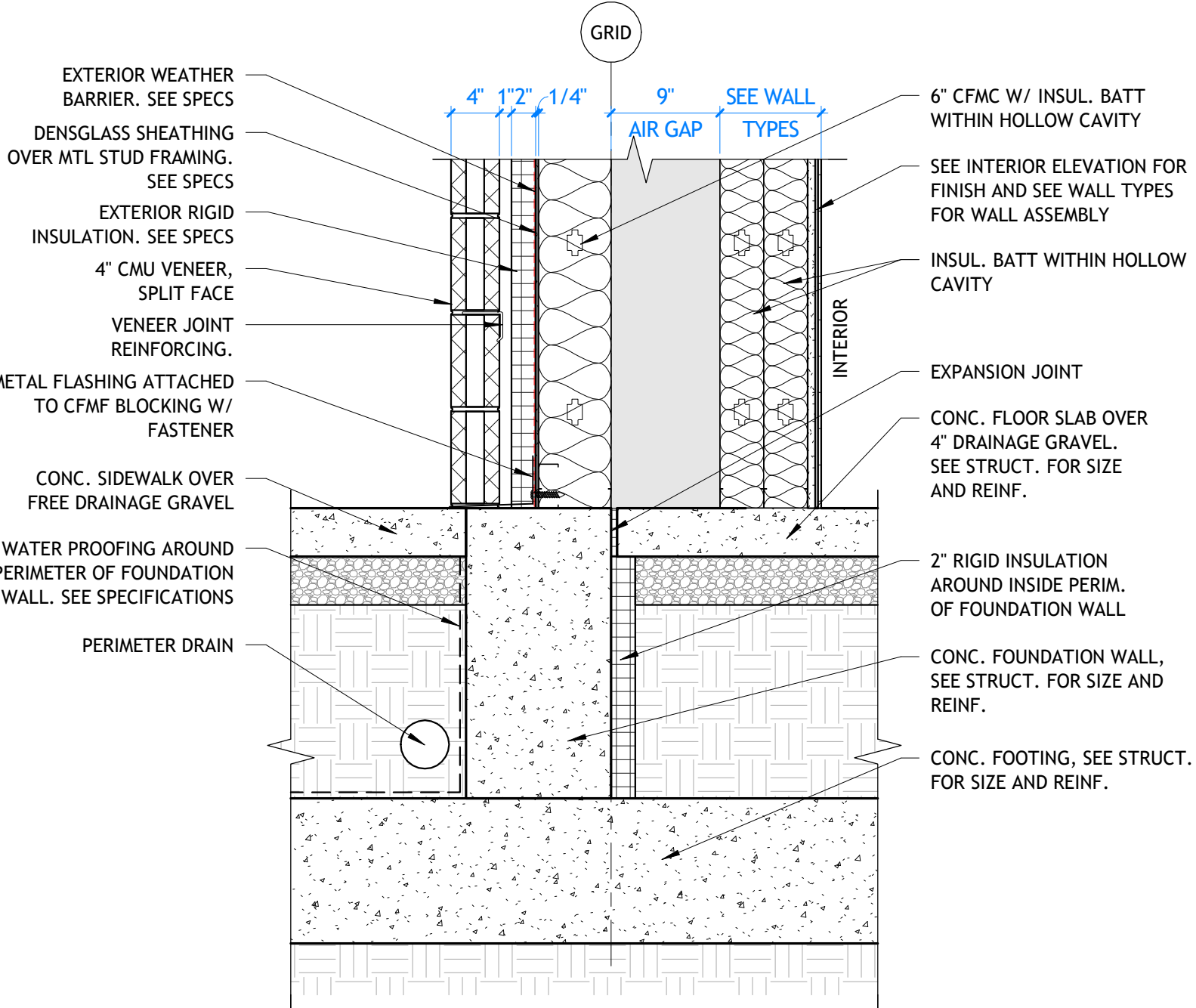
**D3** FLOOR CONNECTION DETAIL  
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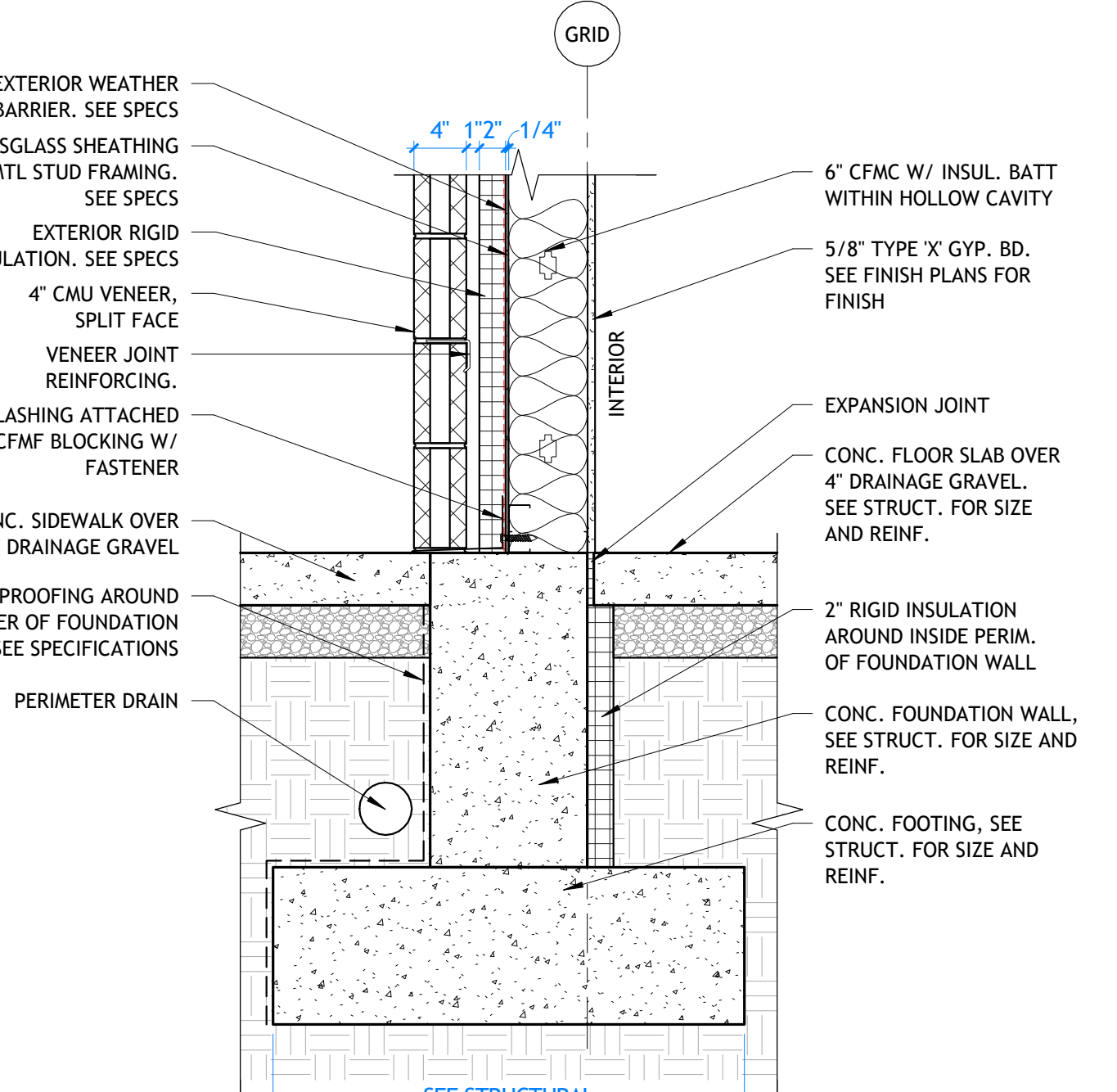
**D5** HEAD DETAIL @TRANSLUCENT WALL PANEL (SILL SIM.)  
A540 | SCALE: 1" = 1'-0"



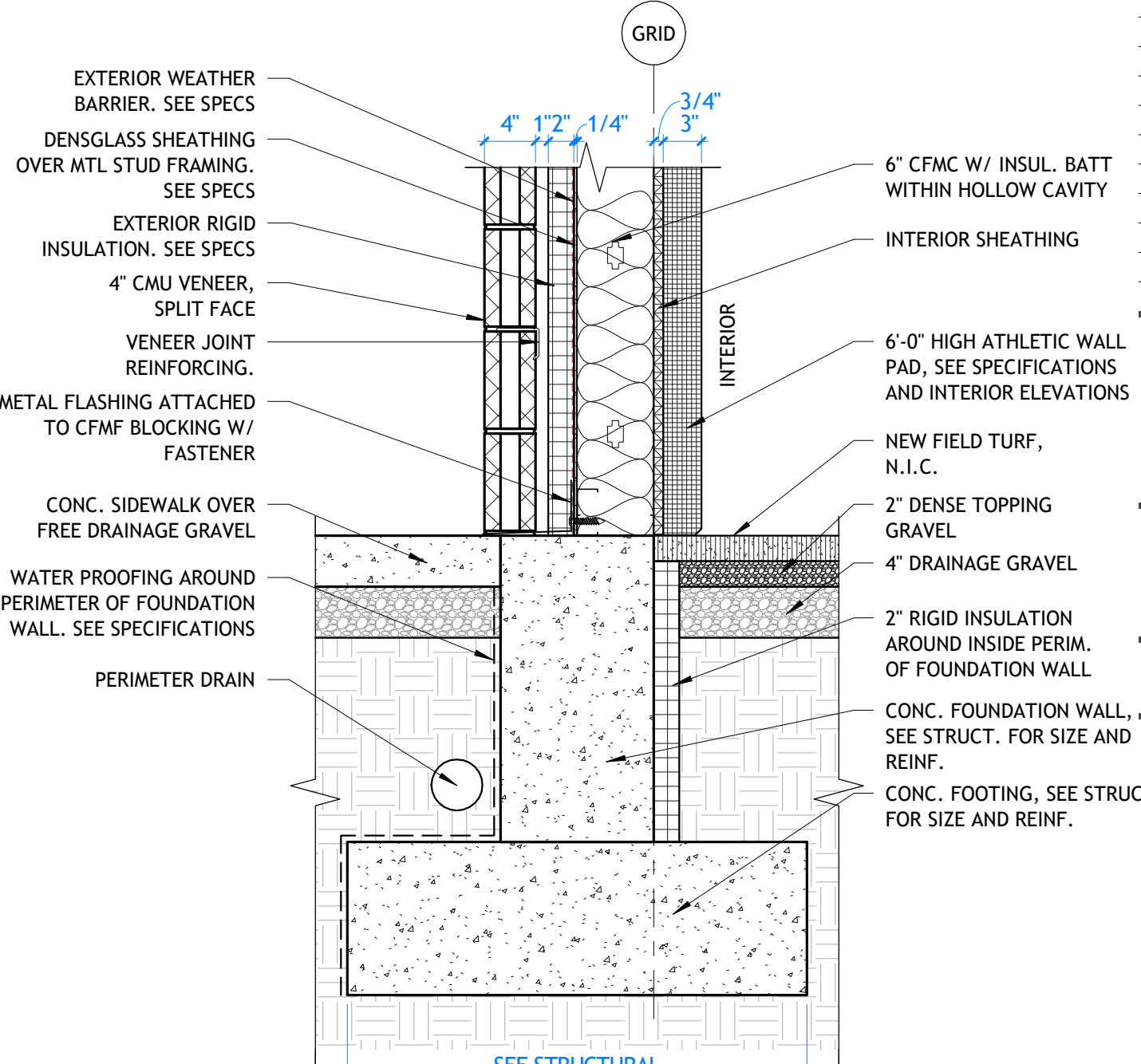
**D6** CMU/METAL WALL TRANSITION  
A540 | SCALE: 1" = 1'-0"



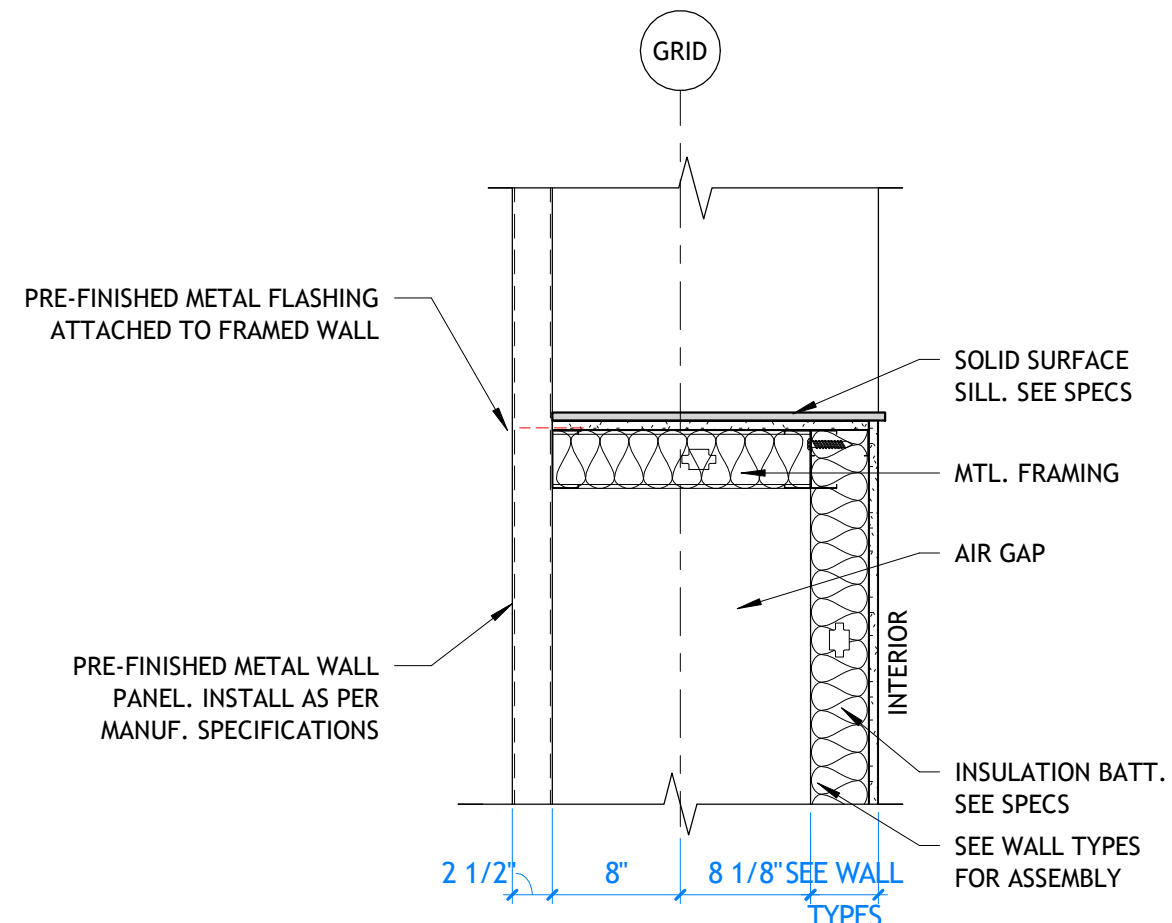
**E3** FOUNDATION WALL @PLUMBING WALL  
A540 | SCALE: 1" = 1'-0"



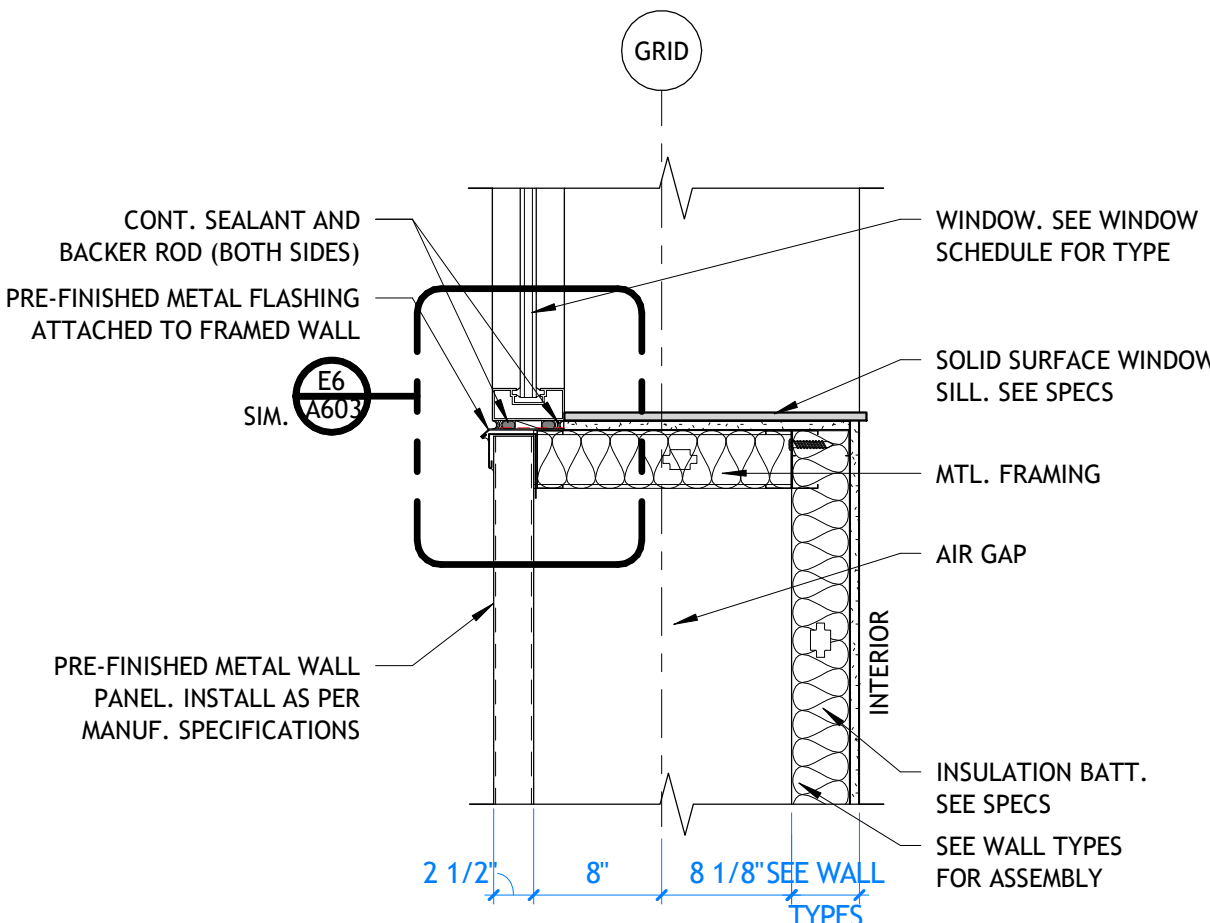
**E5** FOUNDATION DETAIL - TYP.  
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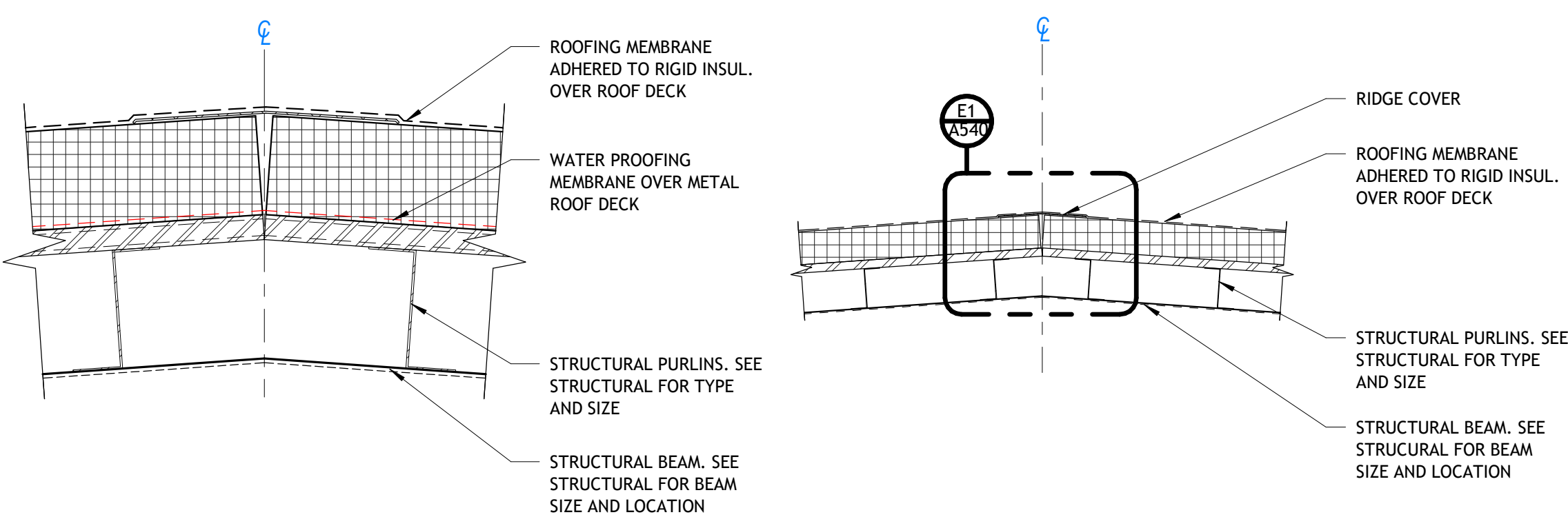
**E6** FOUNDATION DETAIL @TURF AREA  
A540 | SCALE: 1" = 1'-0"



**D1** SILL DETAIL @UPPER FLOOR (ALT.)  
A540 | SCALE: 1" = 1'-0"



**D2** WINDOW SILL DETAIL @UPPER FLOOR (ALT.)  
A540 | SCALE: 1" = 1'-0"



**E1** ROOF RIDGE DETAIL  
A540 | SCALE: 3\"/>

**E2** ROOF RIDGE  
A540 | SCALE: 1" = 1'-0"



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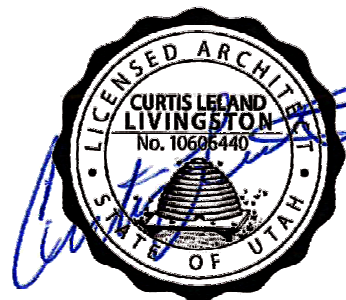
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**CORE**  
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233 SOUTH PLEASANT GROVE BLVD.  
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PLEASANT GROVE, UTAH 84062  
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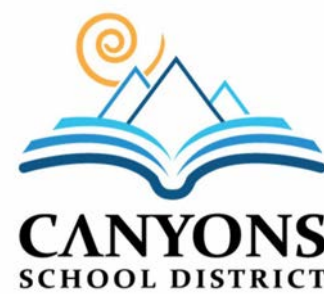
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PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 7000 EAST  
DRAFTER, UTAH 84020

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DESCRIPTION	DATE

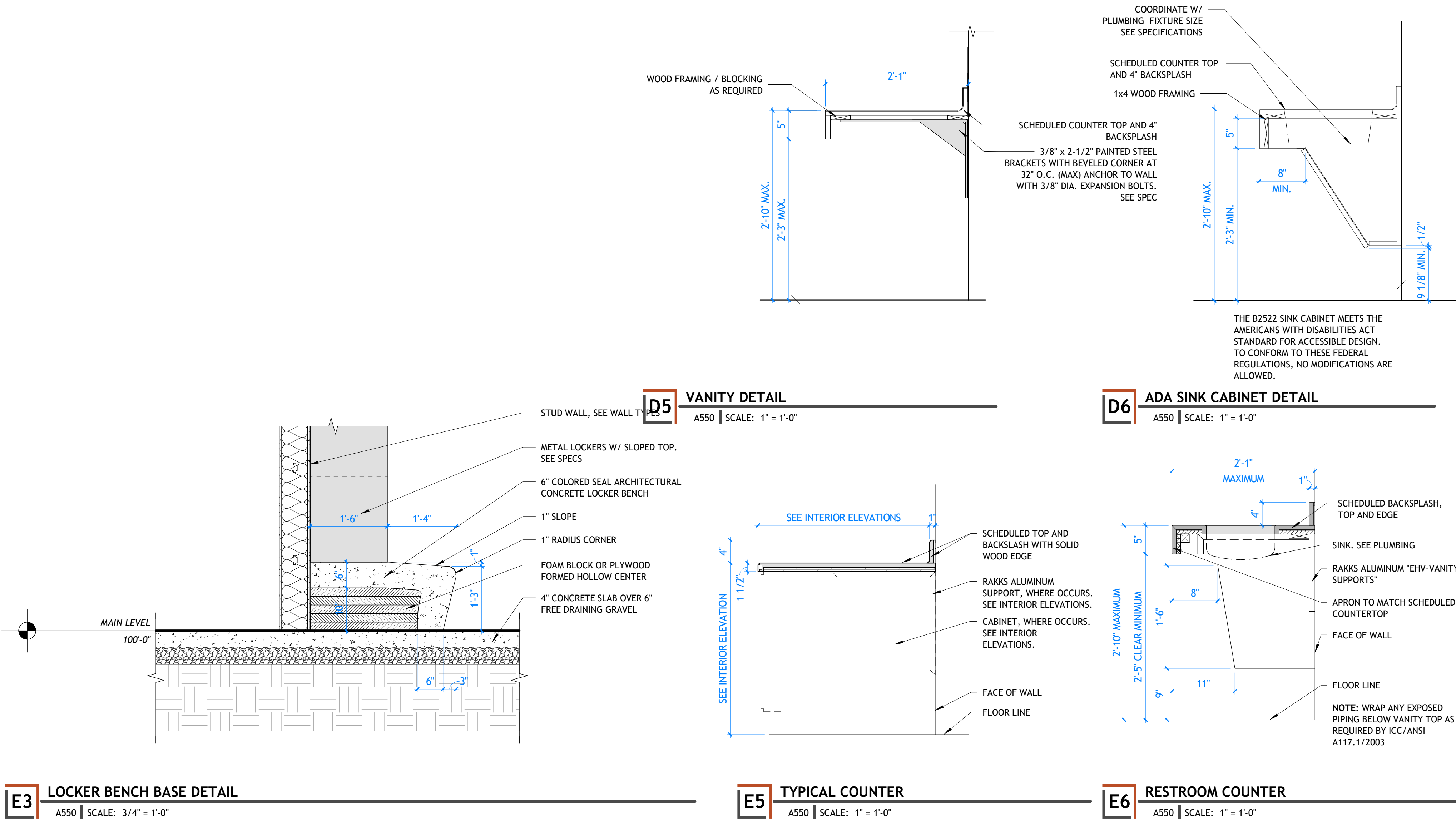
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PIC:	CLL

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**MILLWORK  
DETAILS**

SHEET NUMBER

**A550**





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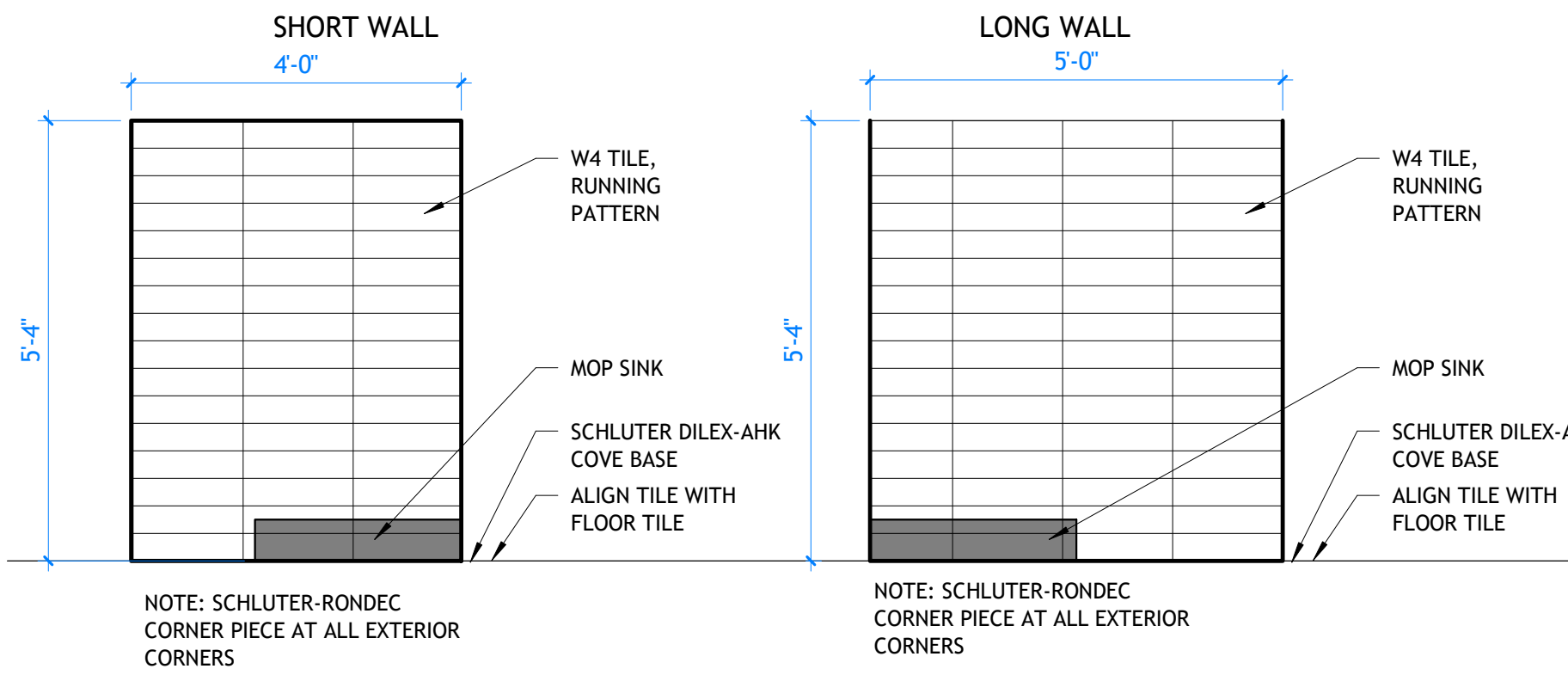
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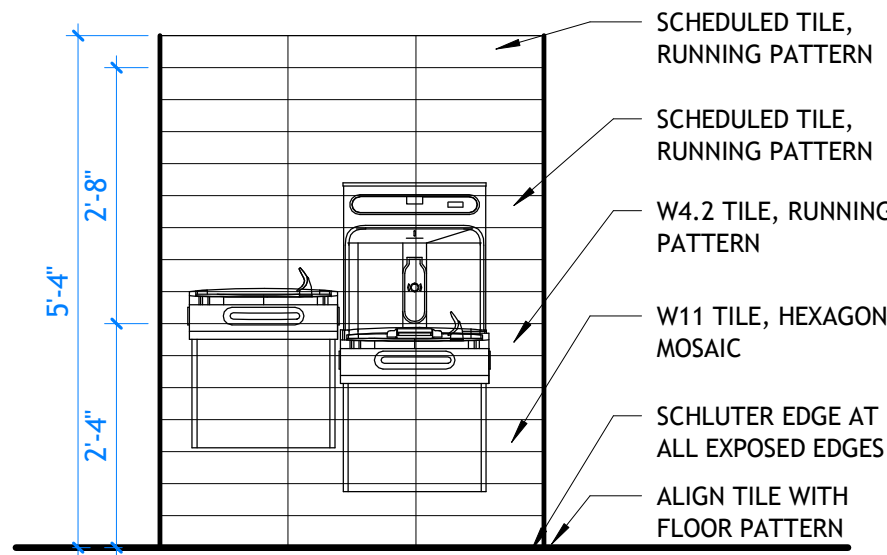
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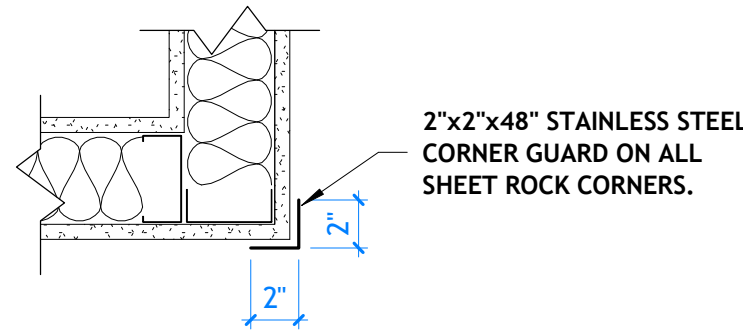
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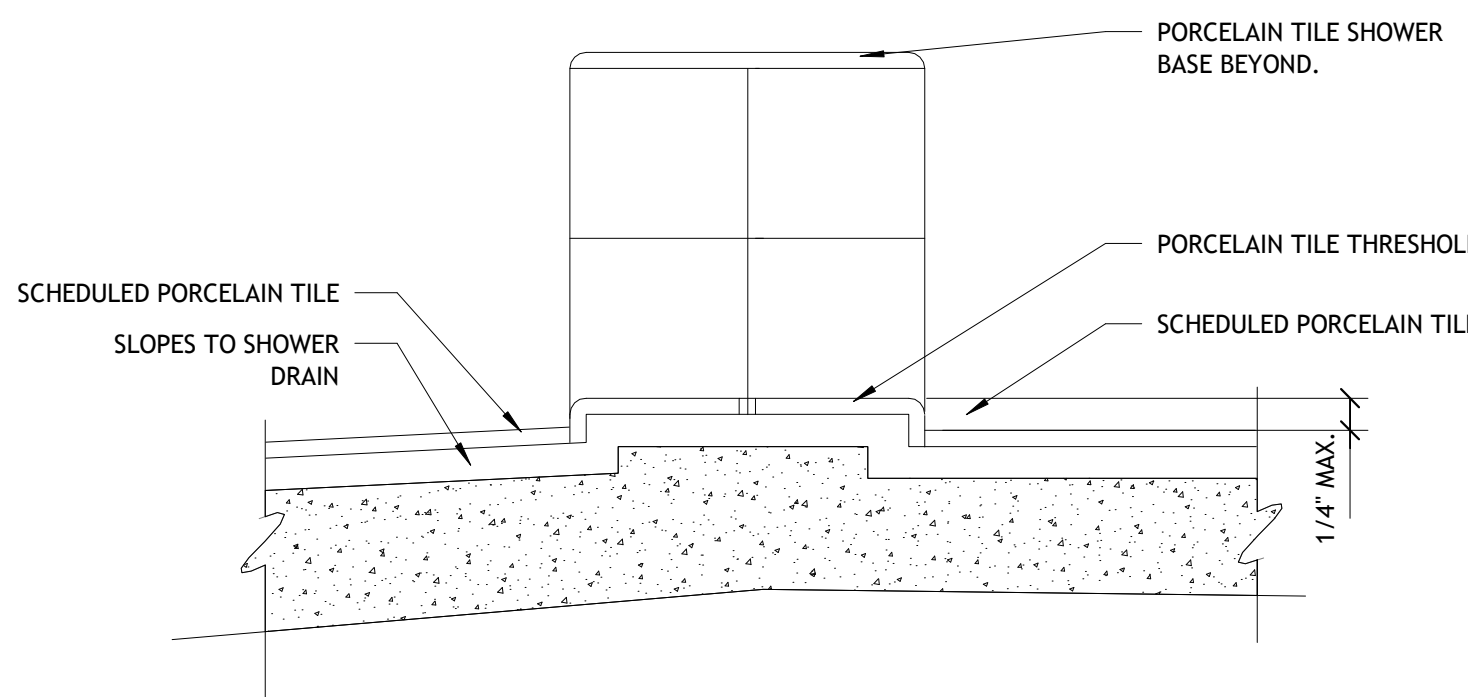
**D1** TYP. TILE PATTERN - MOP SINKS  
A560 | SCALE: 1/2" = 1'-0"



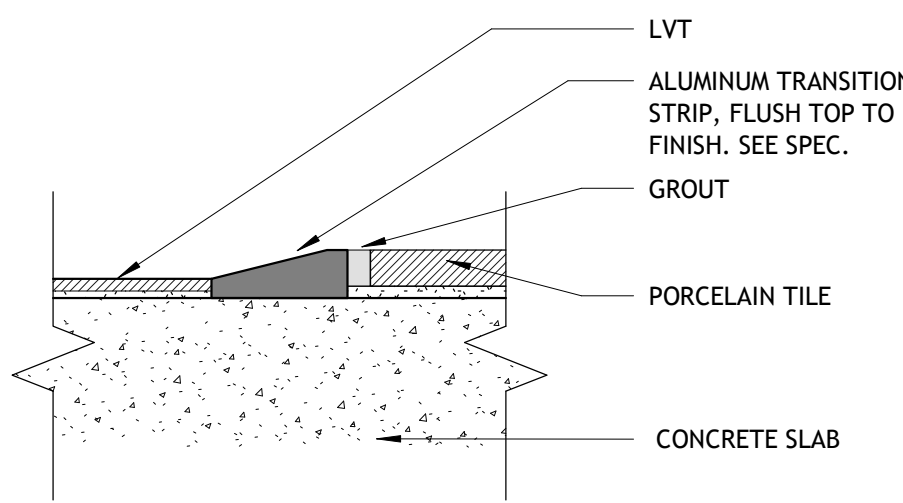
**D3** TYP. TILE PATTERN - DRINKING FOUNTAIN TILE  
A560 | SCALE: 1/2" = 1'-0"



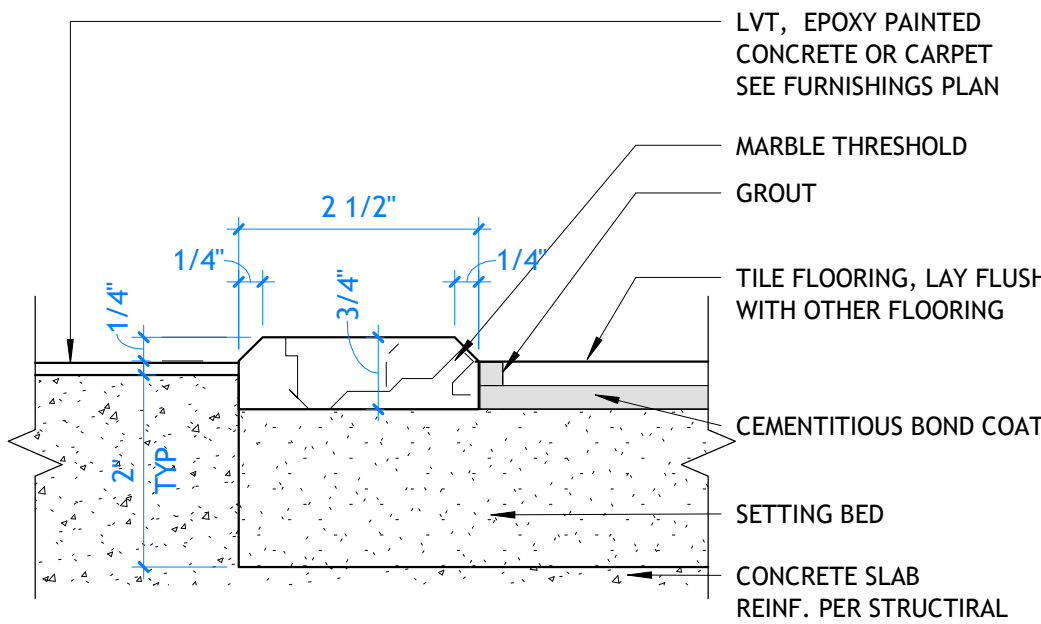
**D4** CORNER GUARD DETAIL  
A560 | SCALE: 1 1/2" = 1'-0"



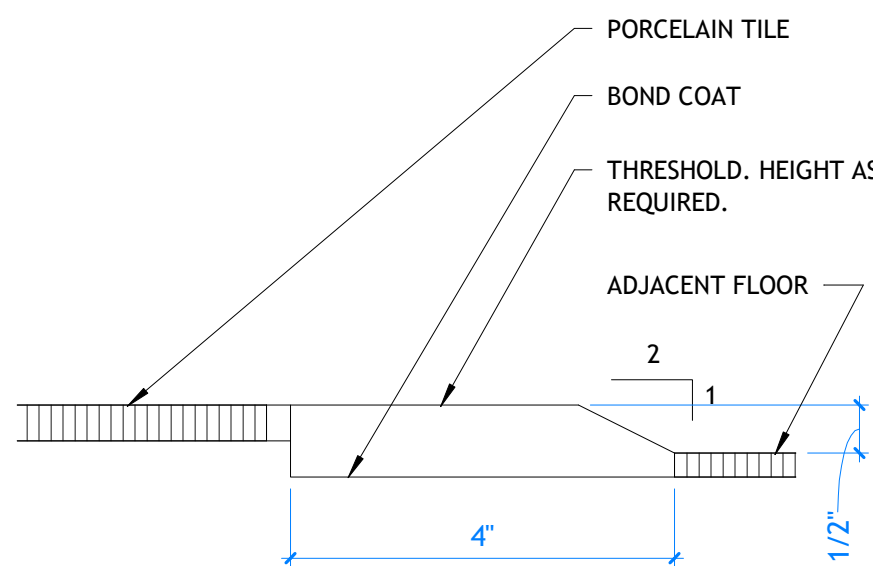
**D5** TRESHOLD @ SHOWER BASE  
A560 | SCALE: 3" = 1'-0"



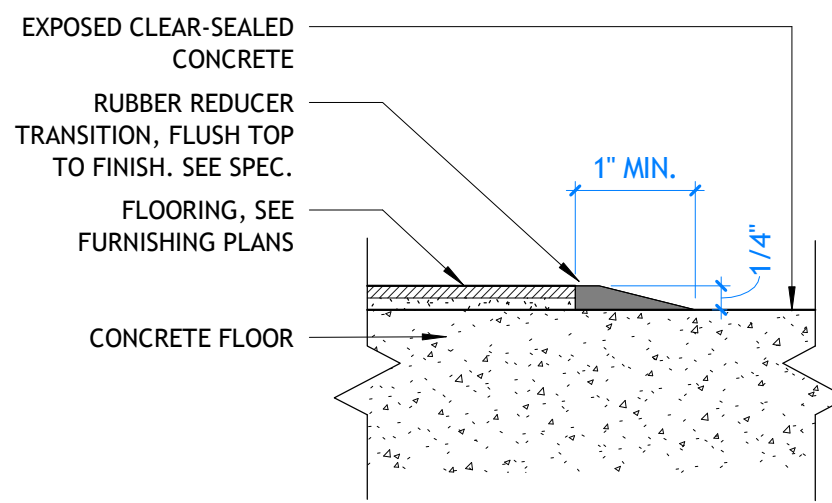
**E2** LVT / TILE TRANSITION  
A560 | SCALE: 6" = 1'-0"



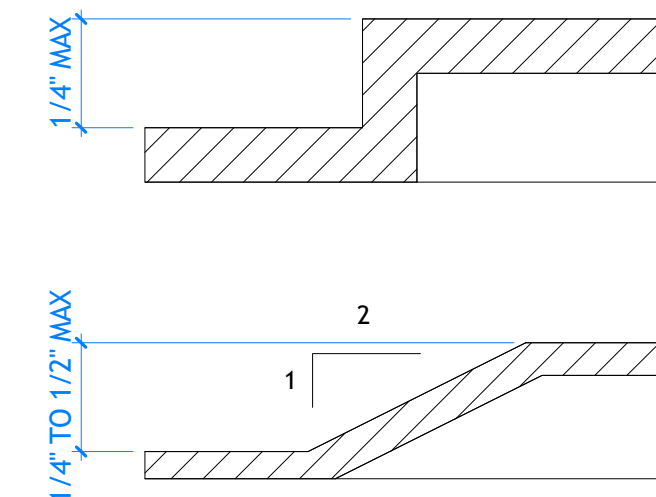
**E3** MARBLE TRESHOLD- TYP. @ RESTRMS  
A560 | SCALE: 6" = 1'-0"



**E4** FLOOR TRANSITIONS  
A560 | SCALE: 6" = 1'-0"



**E5** CONCRETE TRANSITION  
A560 | SCALE: 6" = 1'-0"



**E6** FLOOR TRANSITIONS  
A560 | SCALE: 1/4" = 1'-0"



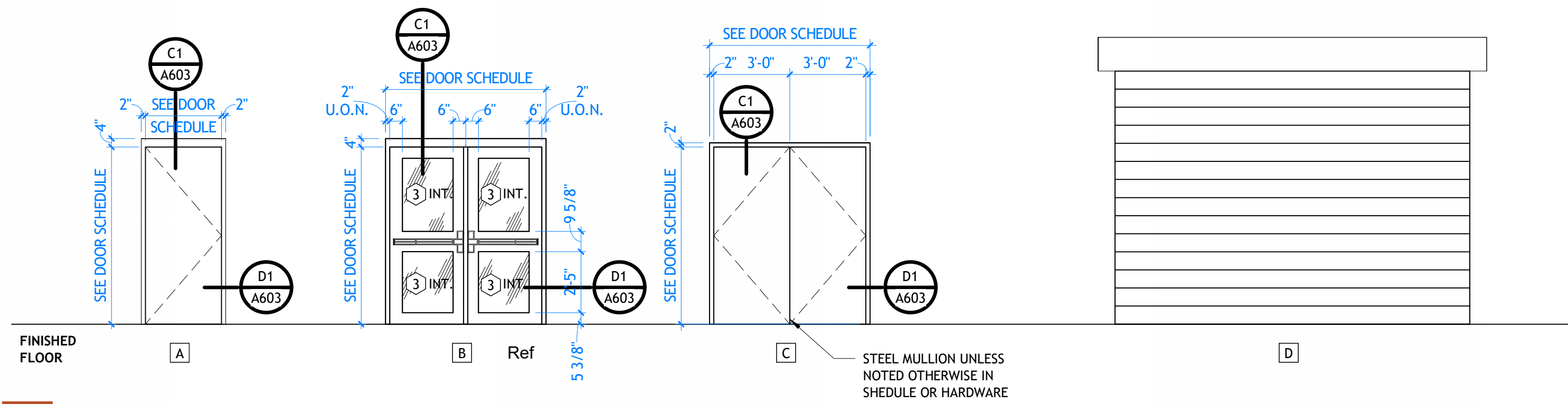
REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL



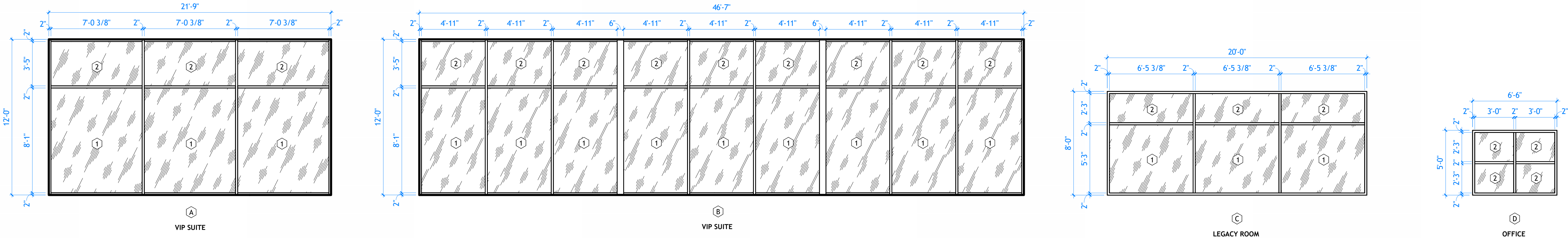
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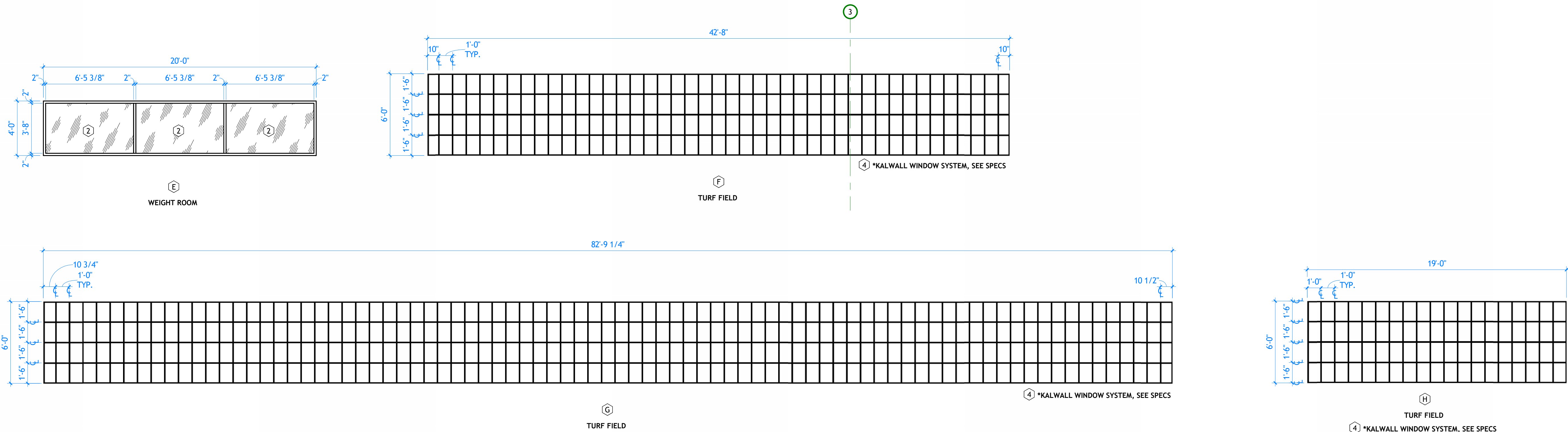


**B1** DOOR TYPES  
A601 | SCALE: 1/4" = 1'-0"

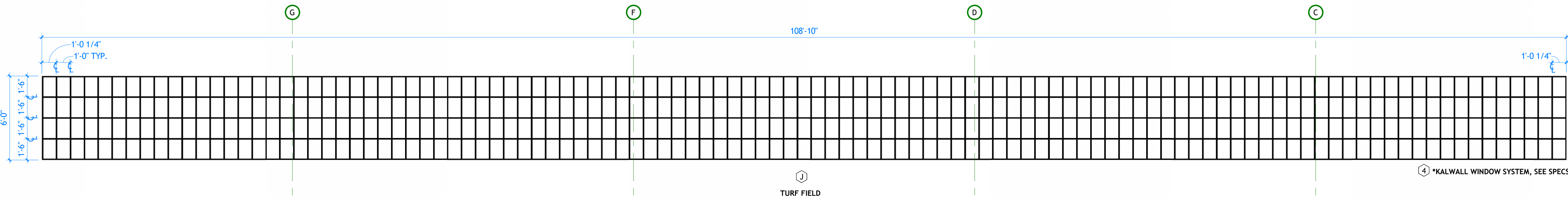
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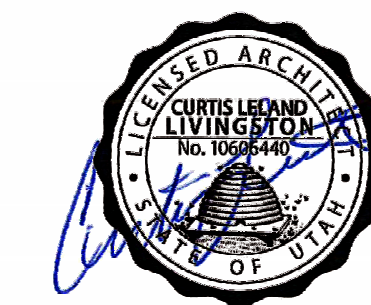


**E1** WINDOW TYPES  
A601 | SCALE: 1/4" = 1'-0"

KEYNOTES

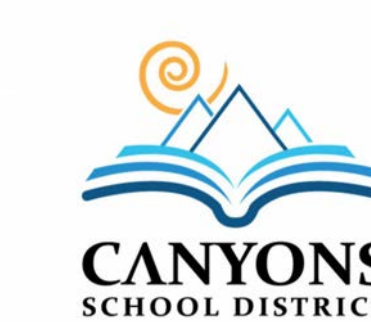
DOOR SCHEDULE - FH BASE BID									
FL. LEVEL	MARK	TYPE	DOOR SIZE		MATERIAL		HARDWARE	RATING	COMMENTS
			WIDTH	HEIGHT	DOOR	FRAME			
100A	B	6'-0"	7'-0"	HM	HM	HM	01		
100B	D	14'-0"	10'-0"	STL	STL	R1			
100C	B	6'-0"	7'-0"	HM	HM	HM	01		
100D	B	6'-0"	7'-0"	HM	HM	HM	01		
100E	D	14'-0"	10'-0"	STL	STL	R1			
100F	B	6'-0"	7'-0"	HM	HM	HM	01		
100G	A	3'-0"	7'-0"	HM	HM	HM	02		
100H	A	3'-0"	7'-0"	HM	HM	HM	04		
100J	B	6'-0"	7'-0"	HM	HM	HM	06		
100K	A	3'-0"	7'-0"	HM	HM	HM	14		
101B	C	6'-0"	7'-0"	HM	HM	HM	06		
101F	B	6'-0"	7'-0"	AL	AL	AL	A1		
102	A	3'-0"	7'-0"	HM	HM	HM	16		
103	A	3'-0"	7'-0"	HM	HM	HM	16		
104	A	3'-0"	7'-0"	HM	HM	HM	15		
106	A	3'-0"	7'-0"	HM	HM	HM	17		
107	A	3'-0"	7'-0"	HM	HM	HM	12		
108	A	3'-0"	7'-0"	HM	HM	HM	17		
109A	A	3'-0"	7'-0"	HM	HM	HM	14		
109B	A	3'-0"	7'-0"	HM	HM	HM	16		
110	A	3'-0"	7'-0"	HM	HM	HM	05		
112A	D	14'-0"	10'-0"	STL	STL	R1			
112B	A	3'-0"	7'-0"	HM	HM	HM	02		
112C	B	6'-0"	7'-0"	HM	HM	HM	06		
113	A	3'-0"	7'-0"	HM	HM	HM	10		
114	A	3'-0"	7'-0"	HM	HM	HM	03		

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

GLAZING SCHEDULE

- 1" INSULATED TEMPERED LOW-E GLASS
- 1" INSULATED ANNEALED CLEAR LOW-E GLASS
- 1/4" TEMPERED CLEAR GLASS
- KALWALL WINDOW SYSTEM - SEE SPECS

NOTE:  
- EXTERIOR DOORS & WINDOWS TO BE GLAZING TYPES 1 & 2  
- INTERIOR DOORS & WINDOWS TO BE GLAZING TYPE 3  
- TEMPERED GLASS WITHIN 4'-0" OF ANY DOOR/OPENING

GENERAL NOTES

- THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
- DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
- ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDES OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
- ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
- CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
- COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
- ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
- SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

DOOR AND  
WINDOWS

SHEET NUMBER

A601



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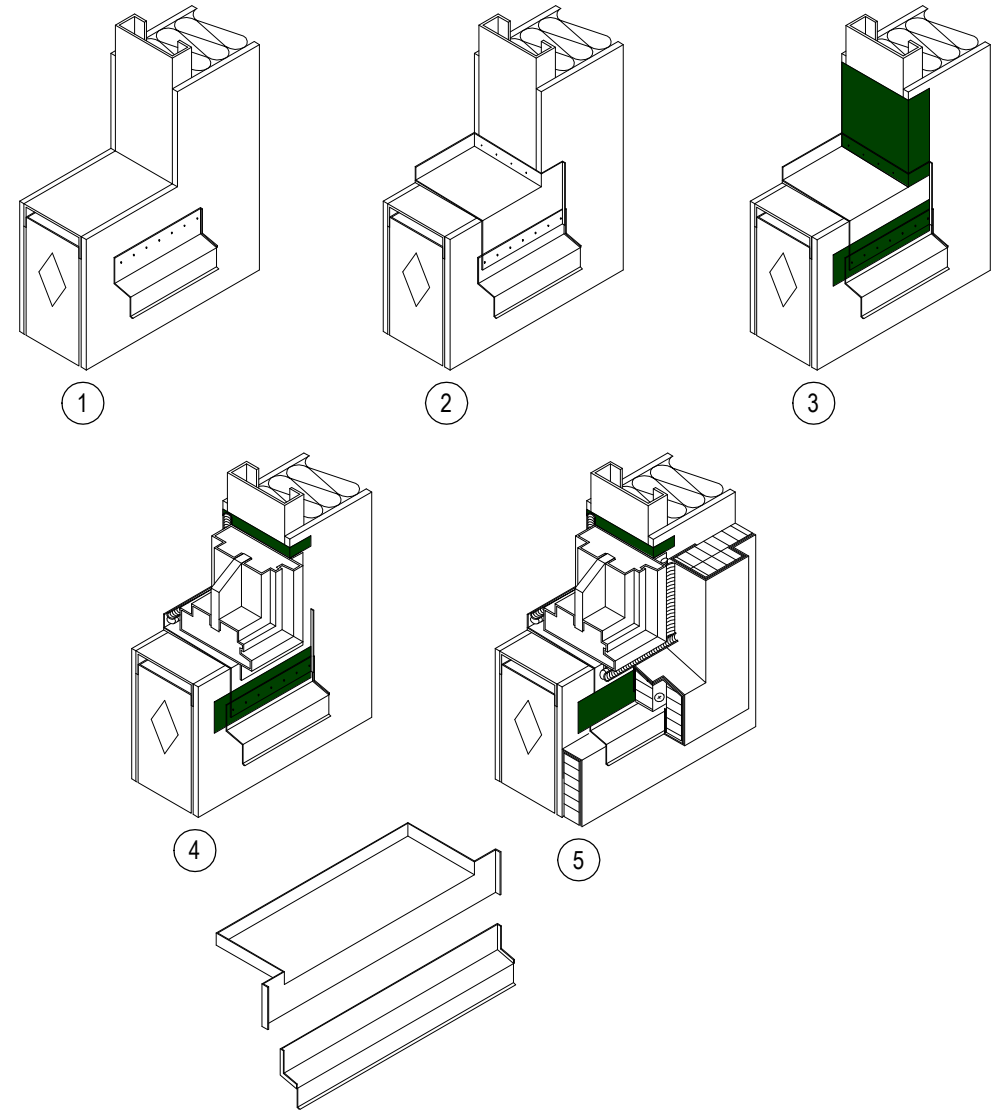
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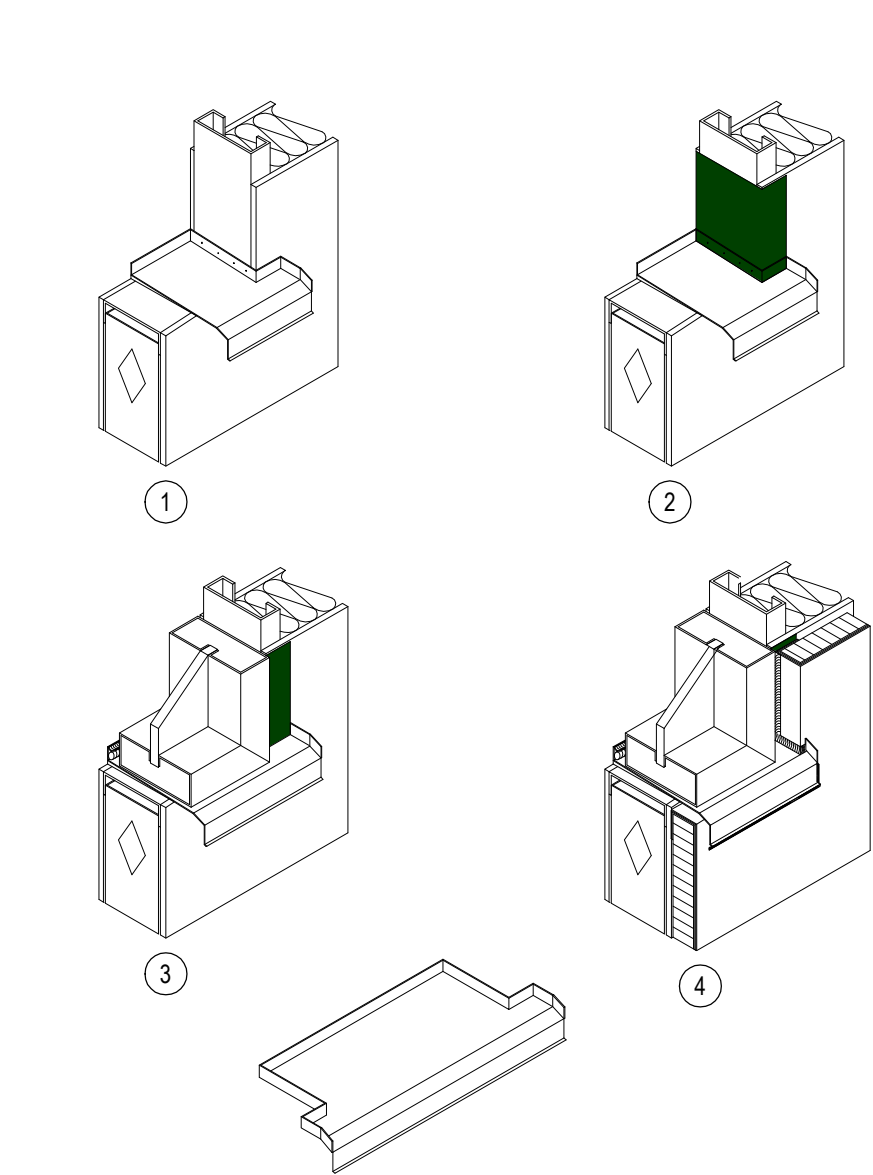
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STEP 1: INSTALL CONTINUOUS FLASHING AND SECURE TO FRAMING.  
STEP 2: INSTALL PAN FLASHING AND LAP OVER CONTINUOUS FLASHING TO SHED MOISTURE. SHIM UNDERSIDE OF FLASHING TO ENSURE WATER RUN OFF.

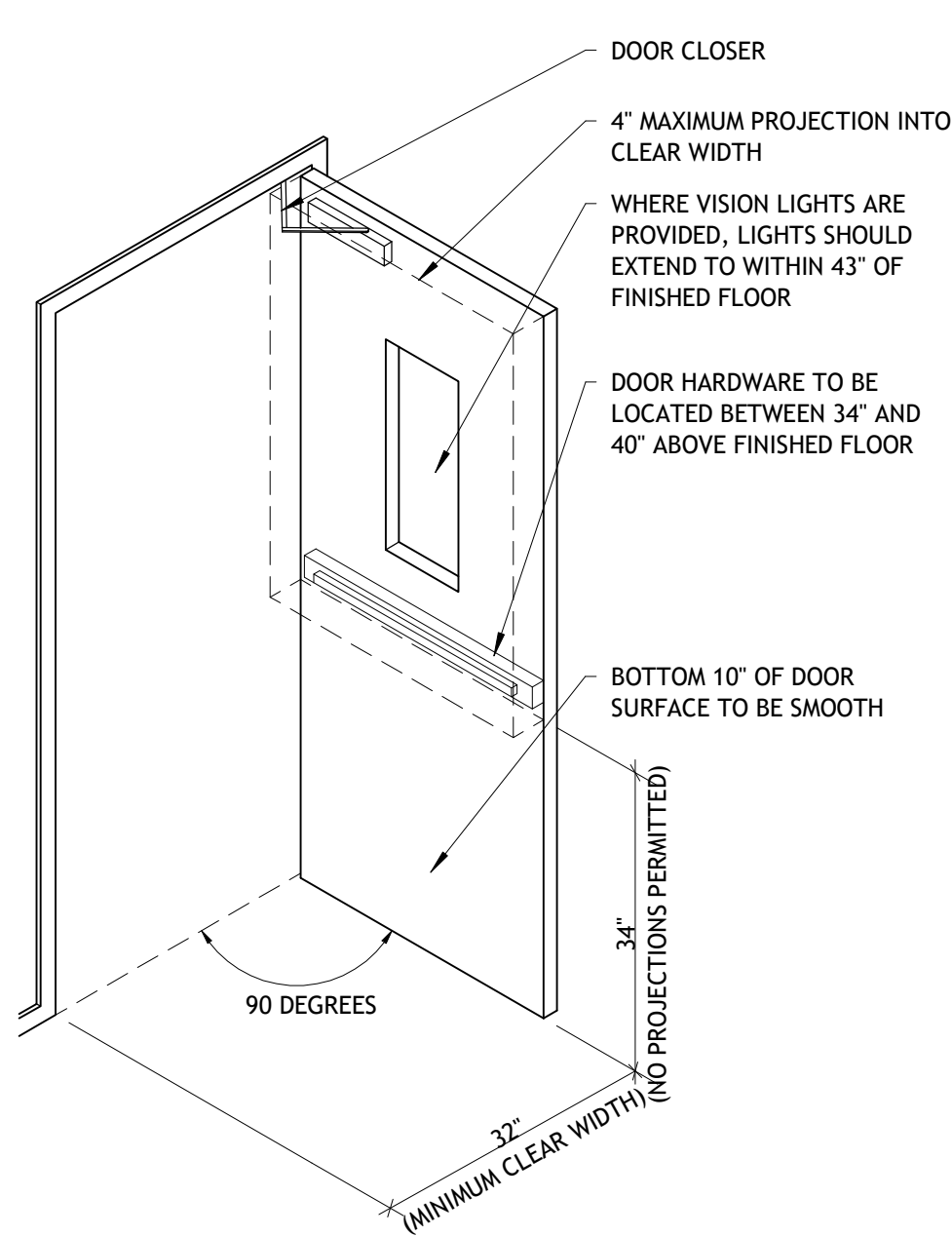
STEP 3: APPLY FLASHING TAPE OVER METAL FLASHING TRANSITION AND AT JAMBS LAPPING OVER UPTURNED LEGS OF PAN FLASHING.  
STEP 4: INSTALL WINDOW UNIT.  
STEP 5: INSTALL EIFS AND APPLY BACKER ROD AND SEALANT ALONG JAMBS AND AT SYSTEM TERMINATION, ALSO ALONG EDGES OF FLASHING.

NOTE:  
1. FLASHING SHOULD OVER LPA EIFS MINIMUM 2 1/2" MEASURED FROM THE TOP OF THE EIFS.  
2. PAN FLASHING MUST HAVE WATERTIGHT SEAMS.  
3. MECHANICAL FASTENERS SHOULD BE USED TO ATTACHED SILL TRIM PIECE.  
4. EIFS AT SILL SHALL BE SLOPED FOR DRAINAGE.

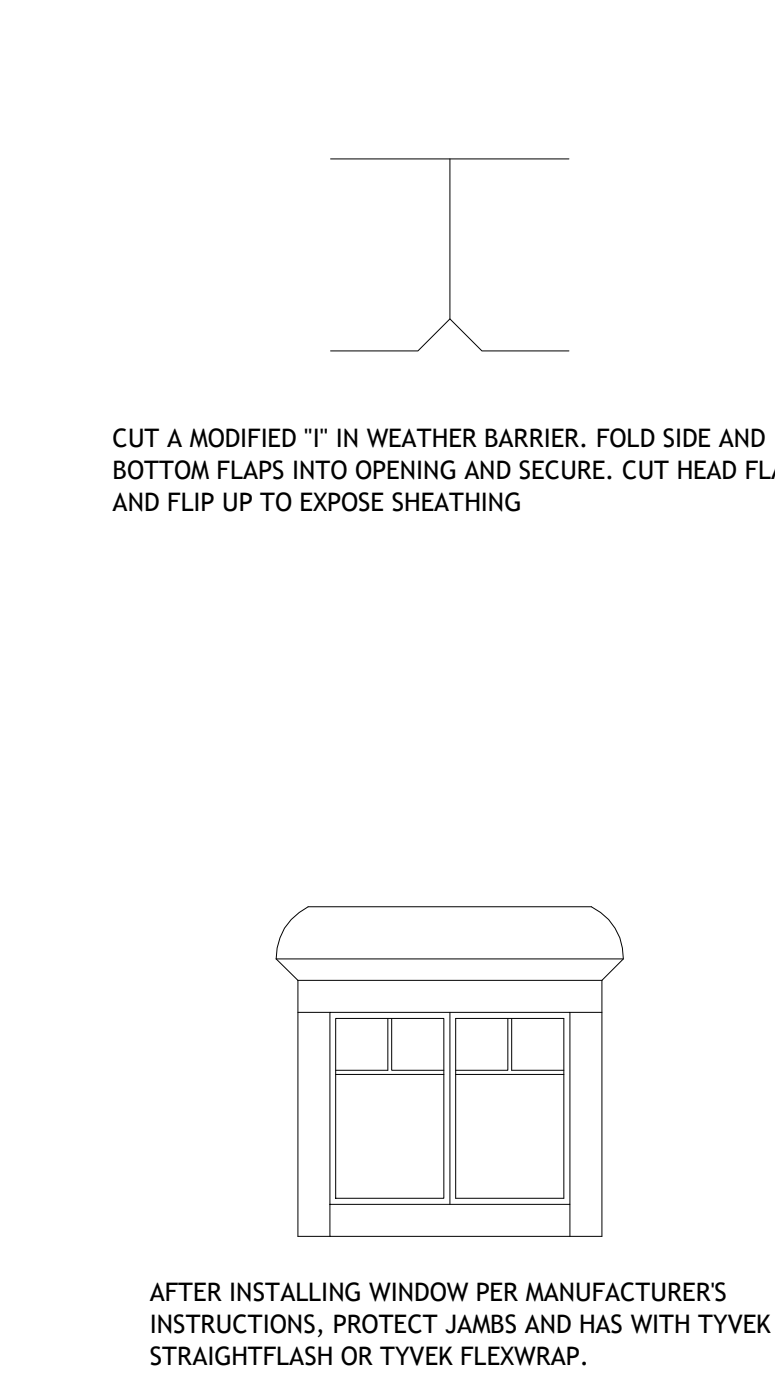


STEP 1: INSTALL PAN FLASHING AND SECURE TO FRAMING AND BLOCKING. SHIM UNDERSIDE OF FLASHING TO ENSURE WATER RUN OFF.  
STEP 2: APPLY DRYWIT FLASHING TAPE ALONG JAMBS AND LAP OVER UPTURNED LEGS OF PAN FLASHING.  
STEP 3: INSTALL WINDOW UNIT  
STEP 4: APPLY BACKER ROD AND SEALANT ALONG JAMBS AND AT SYSTEM TERMINATION, ALSO ALONG EDGES OF FLASHING

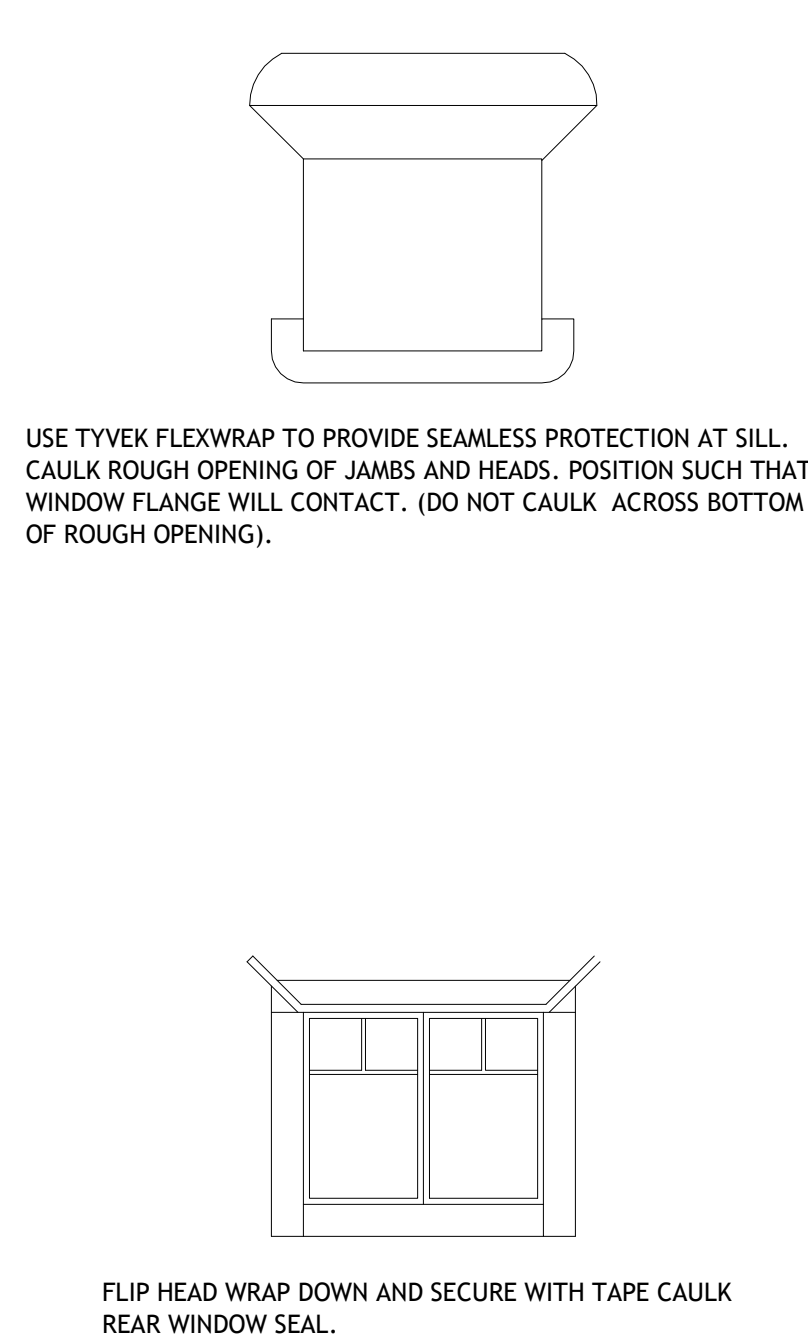
NOTE:  
1. FLASHING SHOULD OVERLAP EIFS MINIMUM 2 1/2" MEASURED FROM THE TOP OF THE EIFS.  
2. PAN FLASHING MUST HAVE WATERTIGHT SEAMS.



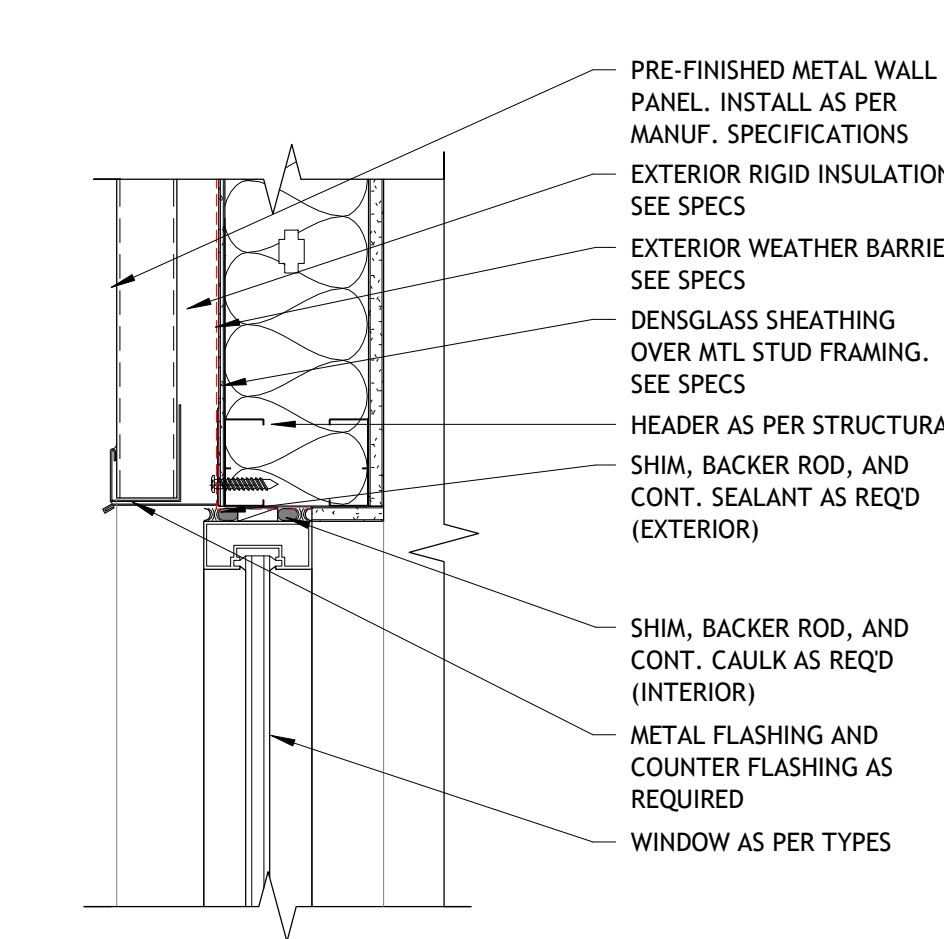
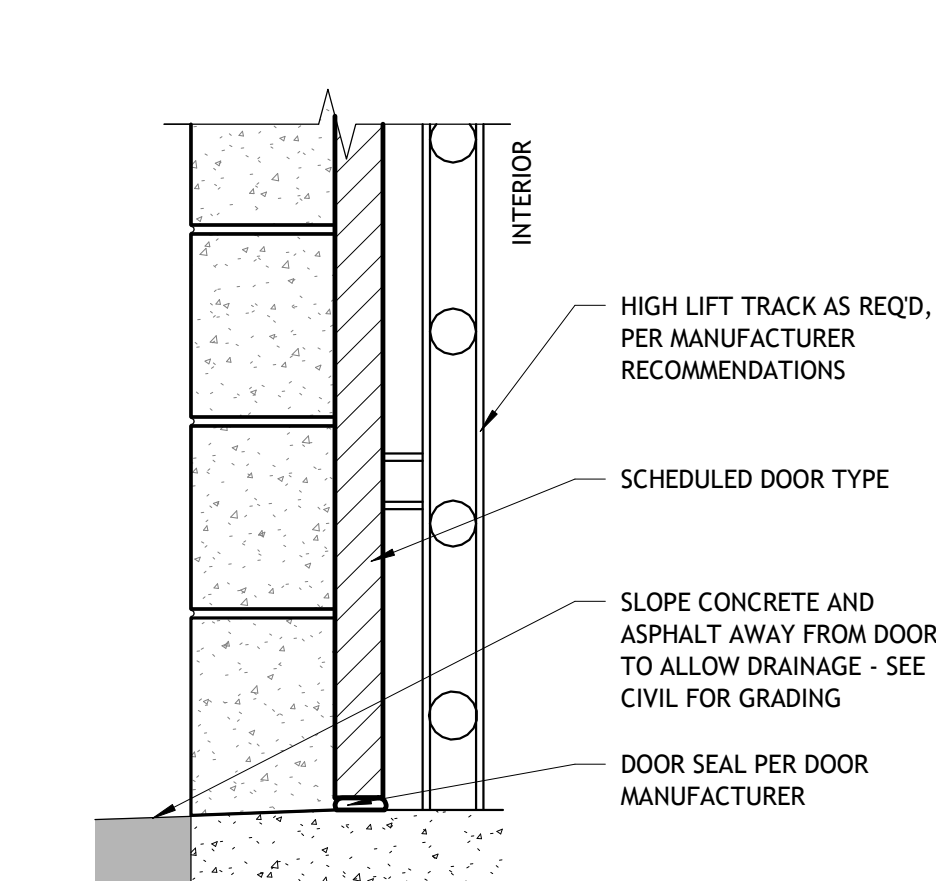
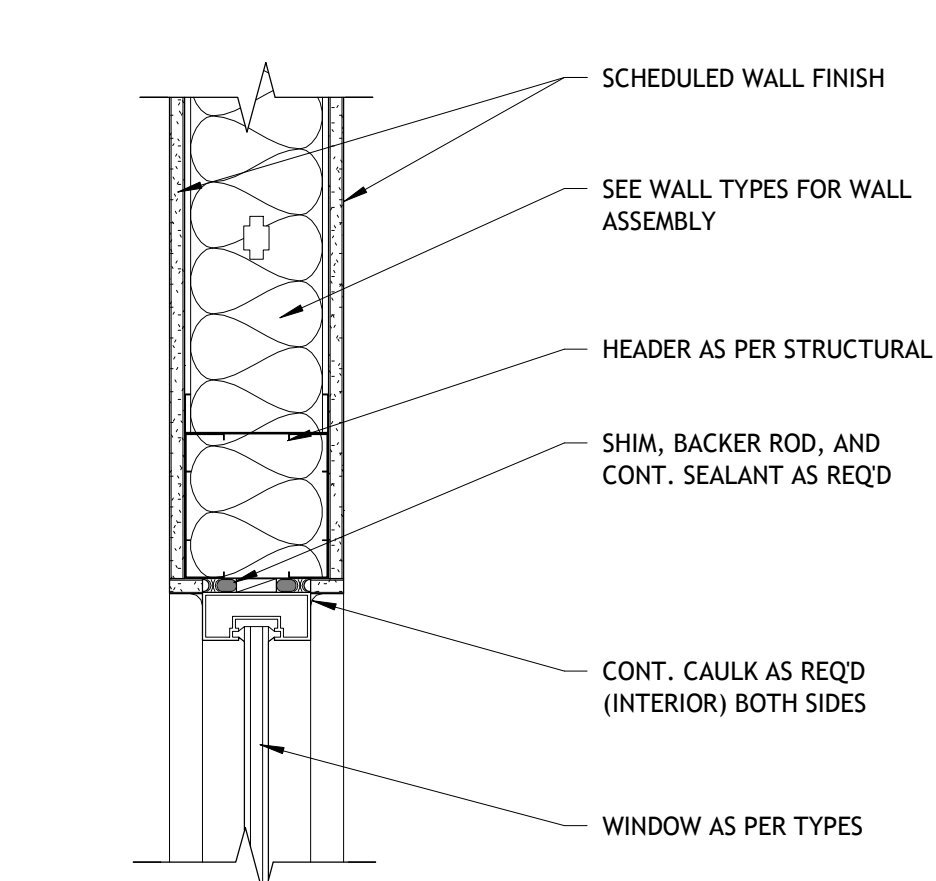
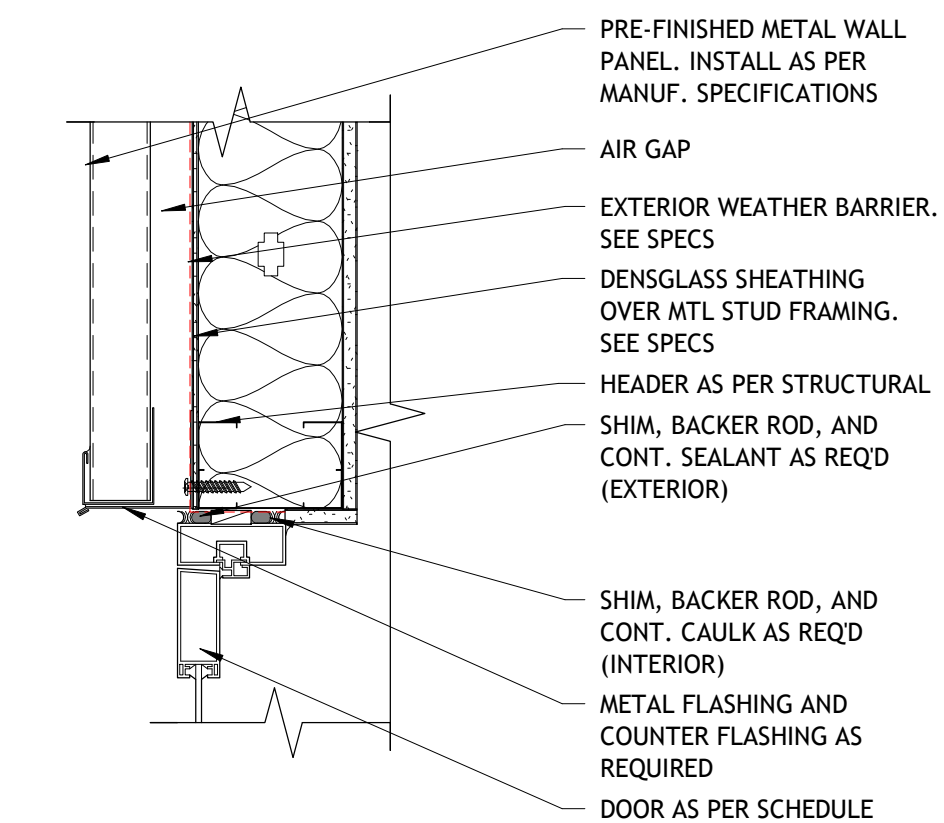
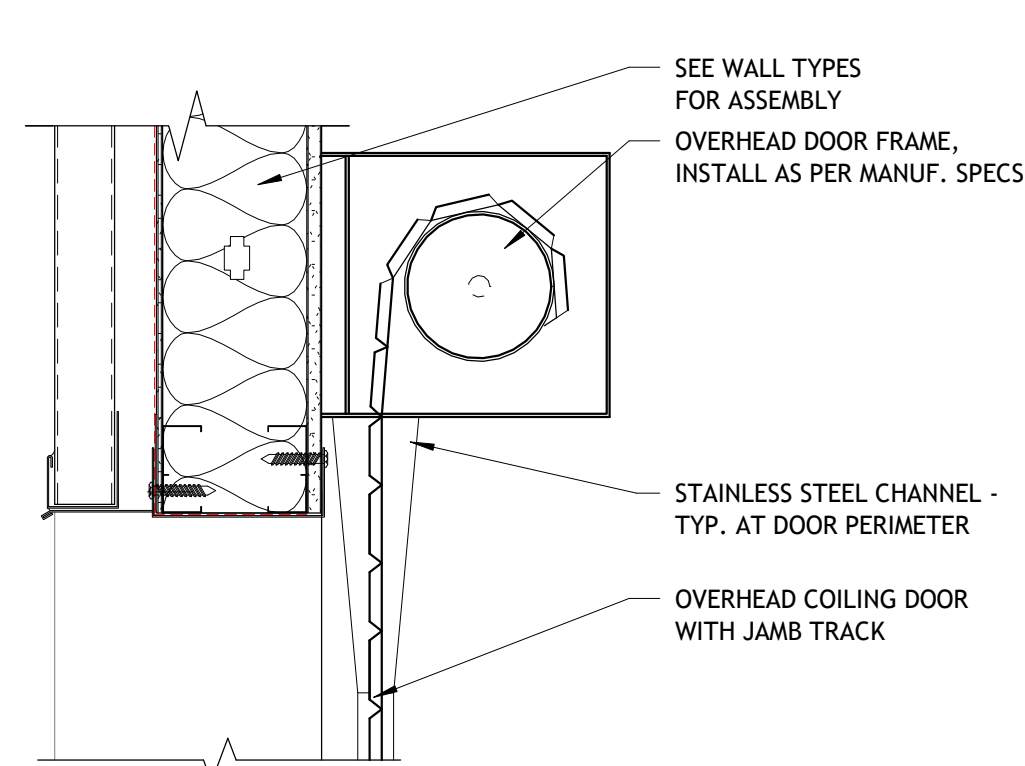
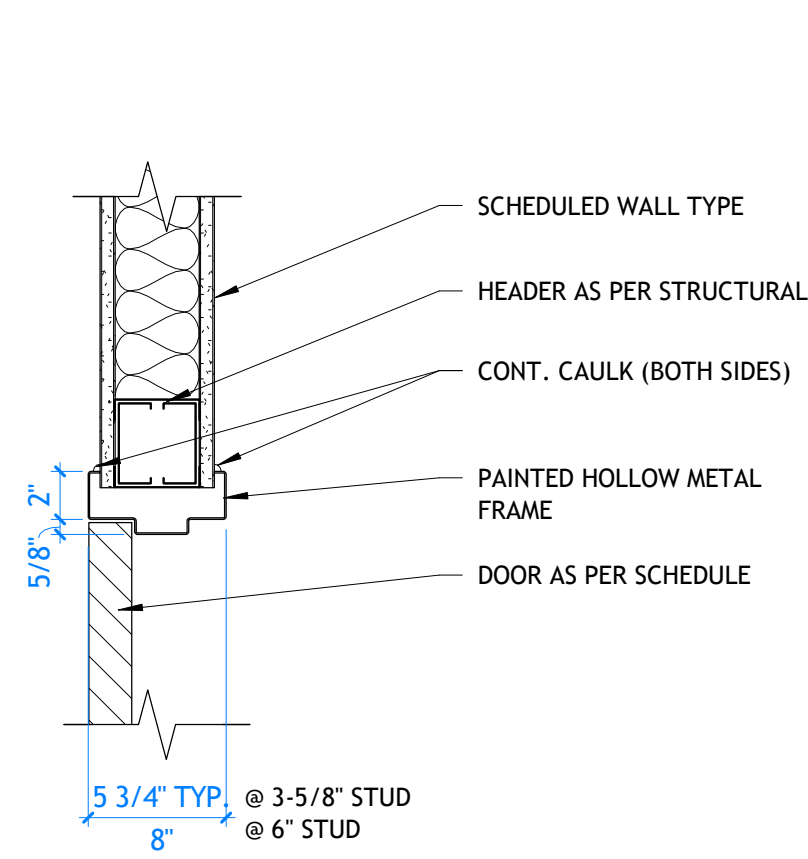
NOTE: HARDWARE TO BE OPERATED WITH ONE HAND, WITHOUT TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THRESHOLDS ARE LIMITED TO 1/2" MAXIMUM HEIGHT. INTERIOR DOORS, OTHER THAN FIRE DOORS, SHOULD BE ABLE TO BE OPERATED WITH 5 POUNDS OF FORCE. EXTERIOR DOOR AND FIRE DOORS ARE REGULATED BY THE AUTHORITY HAVING JURISDICTION. REFER TO ANSI STANDARD A117.1 FOR APPROACH REQUIREMENTS.



ADDITIONAL INSTRUCTIONS  
A. WIPE SURFACE TO REMOVE MOISTURE, DIRT, GREASE, AND OTHER DEBRIS THAT COULD INTERFERE WITH ADHESION.  
B. APPLY PRESSURE ALONG ENTIRE SURFACE TO ACHIEVE A GOOD BOND.  
C. REMOVE ALL WRINKLES AND BUBBLES BY SMOOTHING SURFACE AND REPOSITION AS NECESSARY.  
D. FOR ADDITIONAL GUIDELINES, RECOMMENDED CAULKS AND PRIMERS CALL 1-800-44 TYVEK.



C



C1 H/M DOOR HEAD DETAIL

A603 | SCALE: 1 1/2" = 1'-0"

C2 H/M DOOR HEAD DETAIL

A603 | SCALE: 1 1/2" = 1'-0"

C3 STOREFRONT DOOR HEAD @METAL PANEL WALL

A603 | SCALE: 1 1/2" = 1'-0"

C4 ALUMINUM WINDOW HEAD DETAIL (INTERIOR)

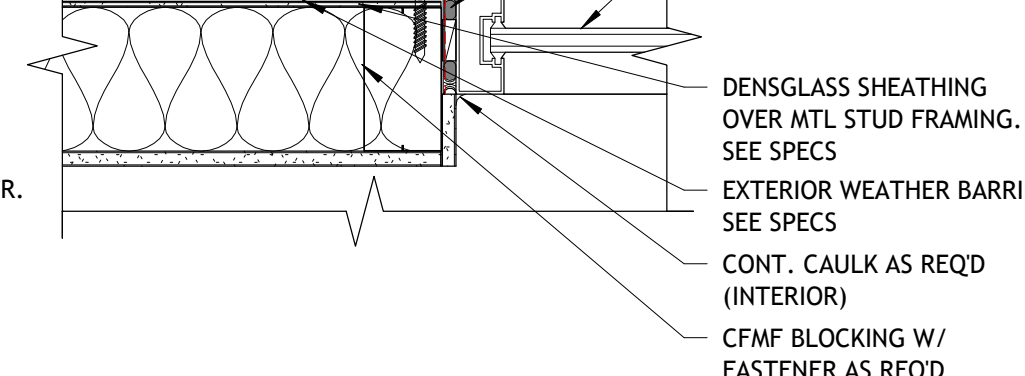
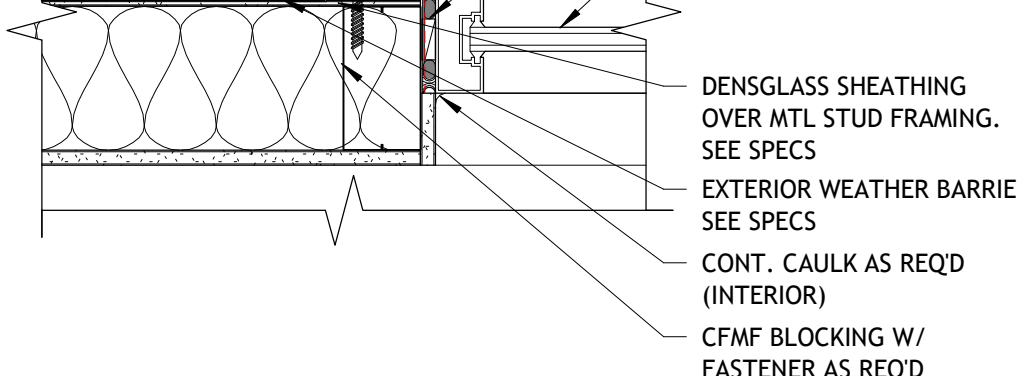
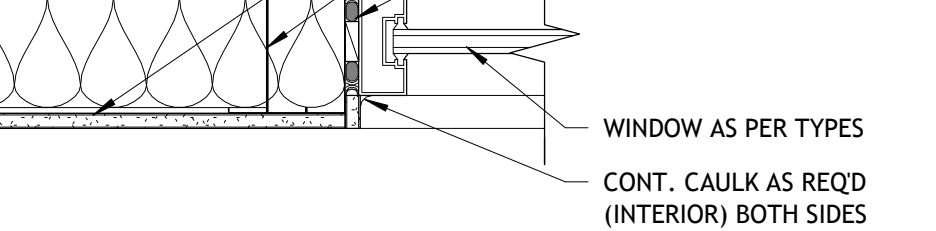
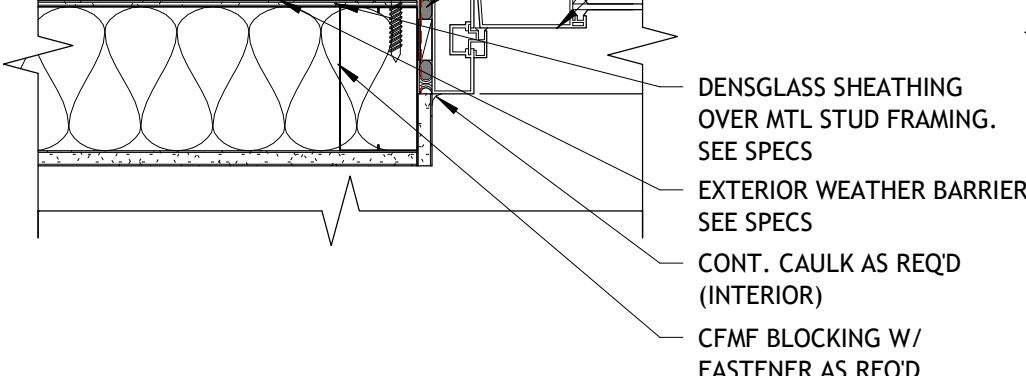
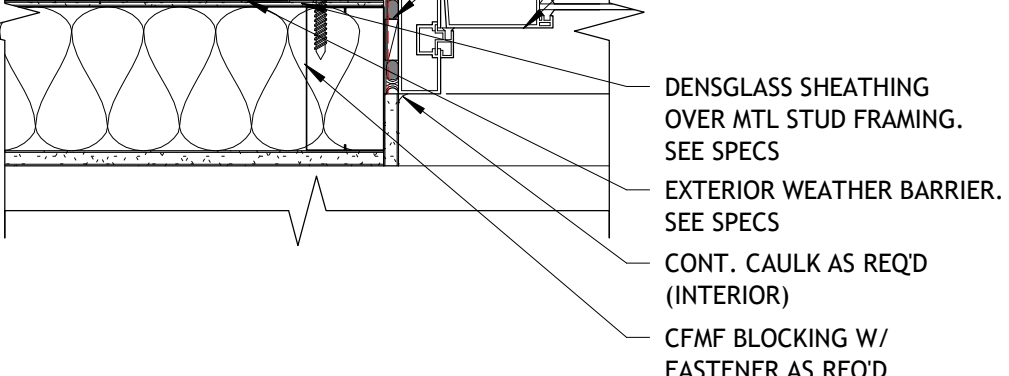
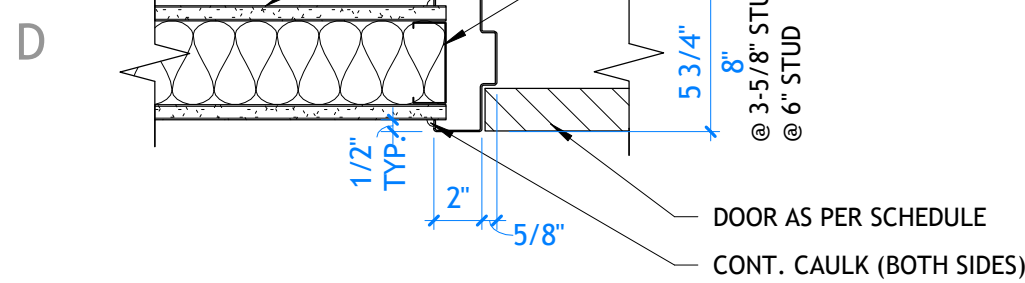
A603 | SCALE: 1 1/2" = 1'-0"

C5 SECTIONAL DOOR TRACK DETAIL

A603 | SCALE: 1 1/2" = 1'-0"

C6 ALUMINUM WINDOW HEAD @METAL PANEL WALL

A603 | SCALE: 1 1/2" = 1'-0"



D1 H/M DOOR JAMB DETAIL

A603 | SCALE: 1 1/2" = 1'-0"

D2 STOREFRONT DOOR JAMB @MASONRY WALL

A603 | SCALE: 1 1/2" = 1'-0"

D3 STOREFRONT DOOR JAMB @METAL PANEL WALL

A603 | SCALE: 1 1/2" = 1'-0"

D4 ALUMINUM WINDOW HEAD DETAIL (INTERIOR)

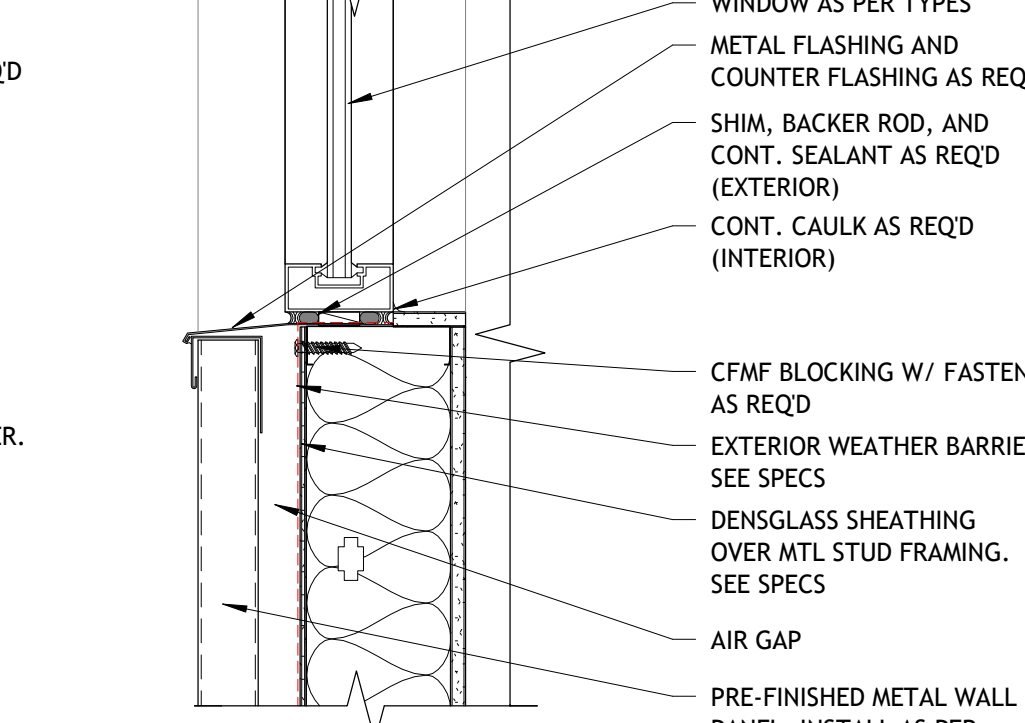
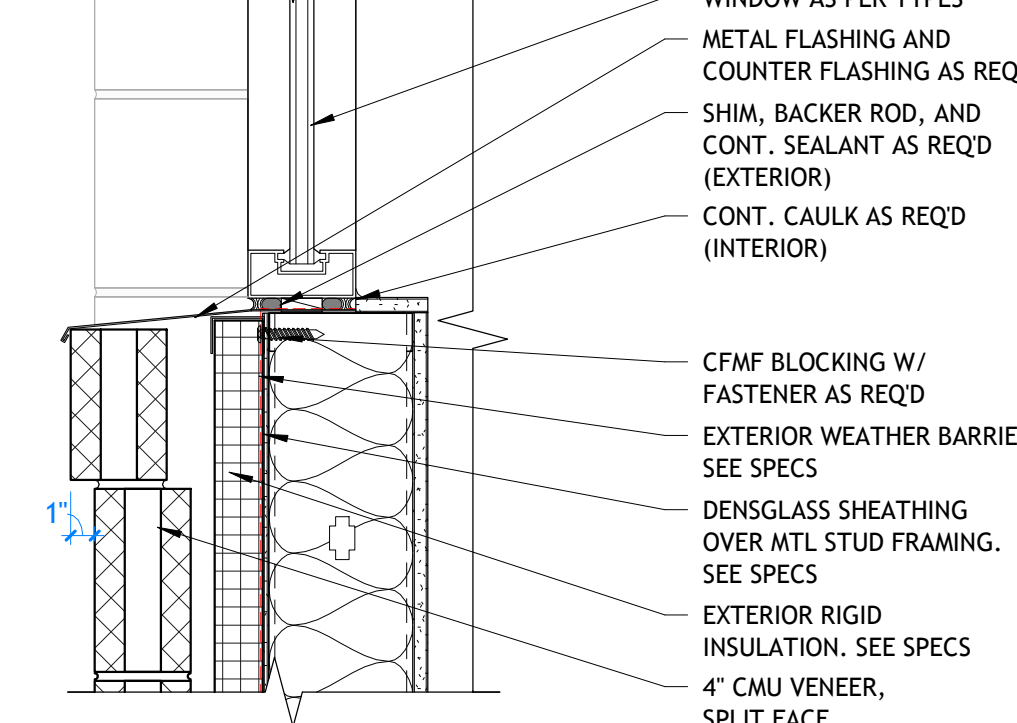
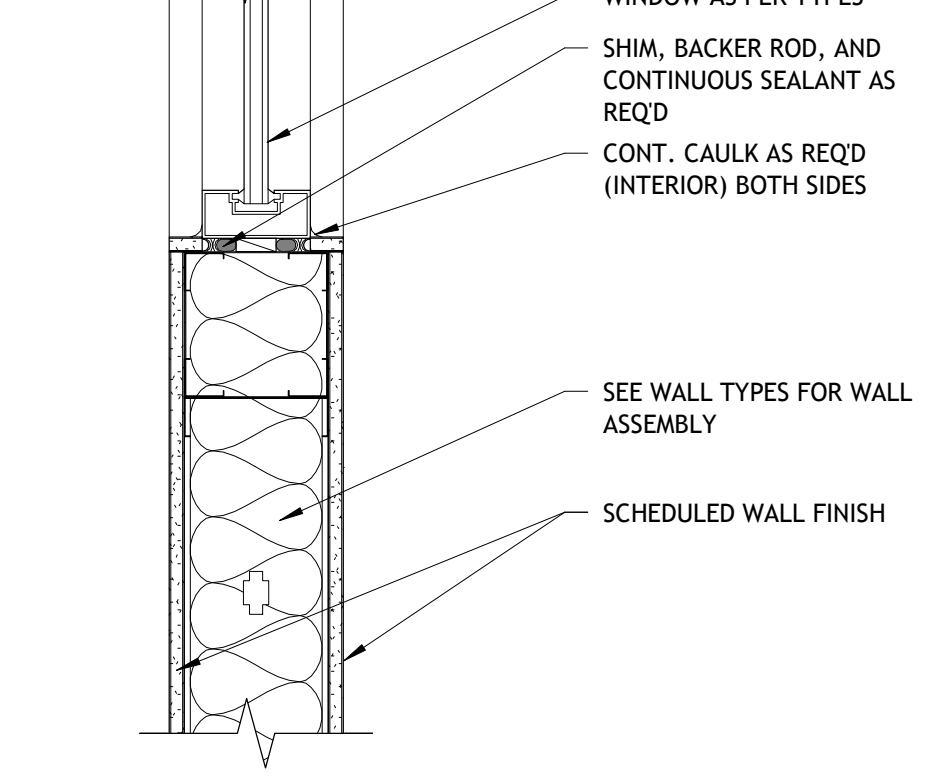
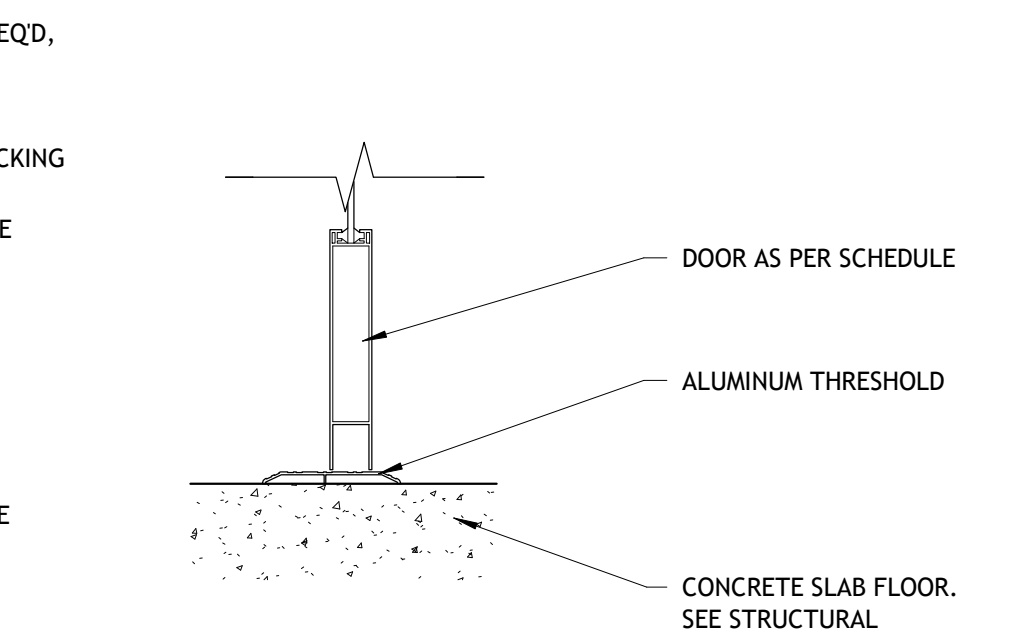
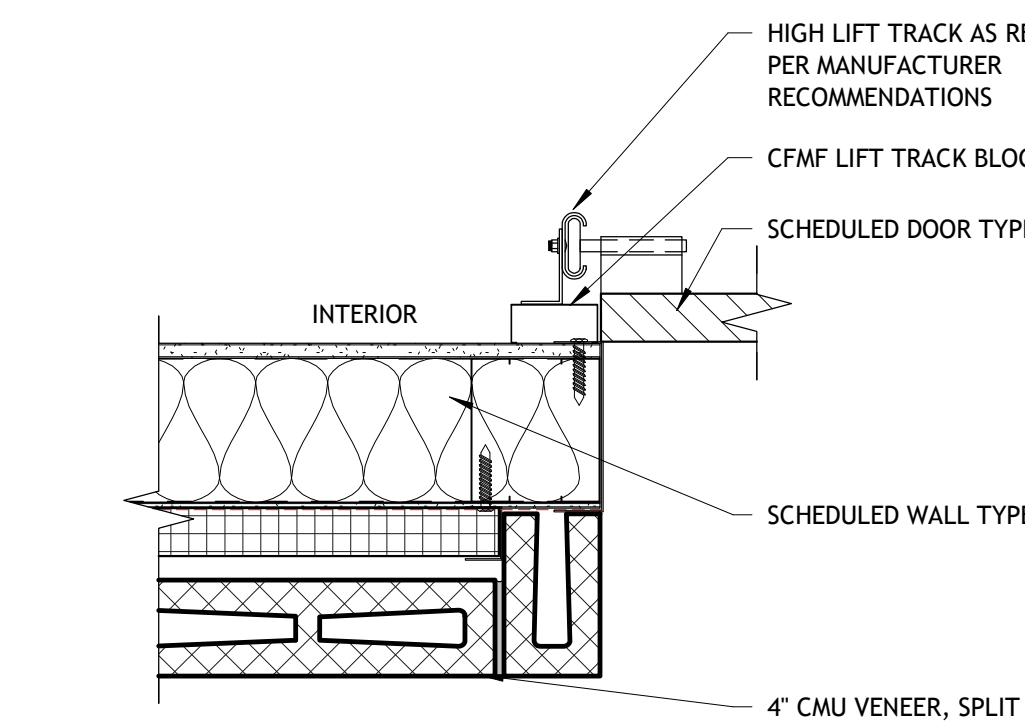
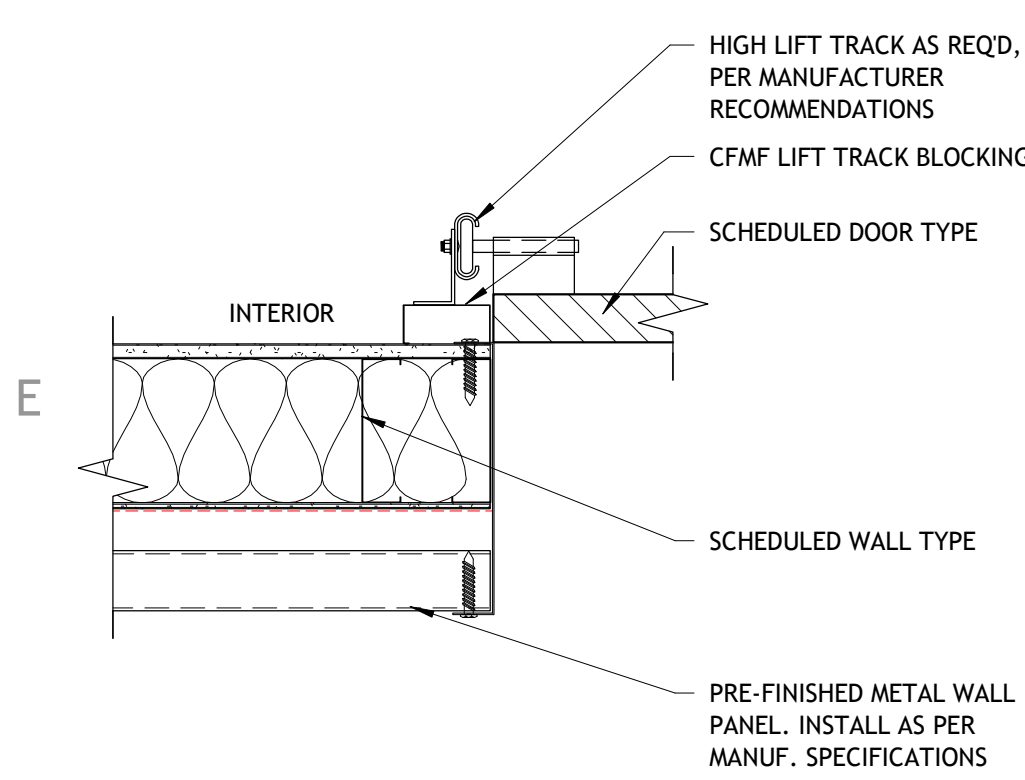
A603 | SCALE: 1 1/2" = 1'-0"

D5 ALUMINUM WINDOW JAMB @MASONRY WALL

A603 | SCALE: 1 1/2" = 1'-0"

D6 ALUMINUM WINDOW JAMB @METAL PANEL WALL

A603 | SCALE: 1 1/2" = 1'-0"



E1 SECTIONAL DOOR JAMB @METAL PANEL WALL

A603 | SCALE: 1 1/2" = 1'-0"

E2 SECTIONAL DOOR JAMB @MASONRY WALL

A603 | SCALE: 1 1/2" = 1'-0"

E3 STOREFRONT THRESHOLD DETAIL

A603 | SCALE: 1 1/2" = 1'-0"

E4 ALUMINUM WINDOW HEAD DETAIL (INTERIOR)

A603 | SCALE: 1 1/2" = 1'-0"

E5 ALUMINUM WINDOW SILL @MASONRY WALL

A603 | SCALE: 1 1/2" = 1'-0"

E6 ALUMINUM WINDOW SILL @METAL PANEL WALL

A603 | SCALE: 1 1/2" = 1'-0"

GENERAL NOTES  
A. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.  
B. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.  
C. ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.  
D. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.  
E. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.  
F. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDES OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.  
G. ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.  
H. CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.  
I. COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.  
J. ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.  
K. SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS	
BID SET	
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR	

SHEET TITLE

DOOR & WINDOW DETAILS

SHEET NUMBER  
A603



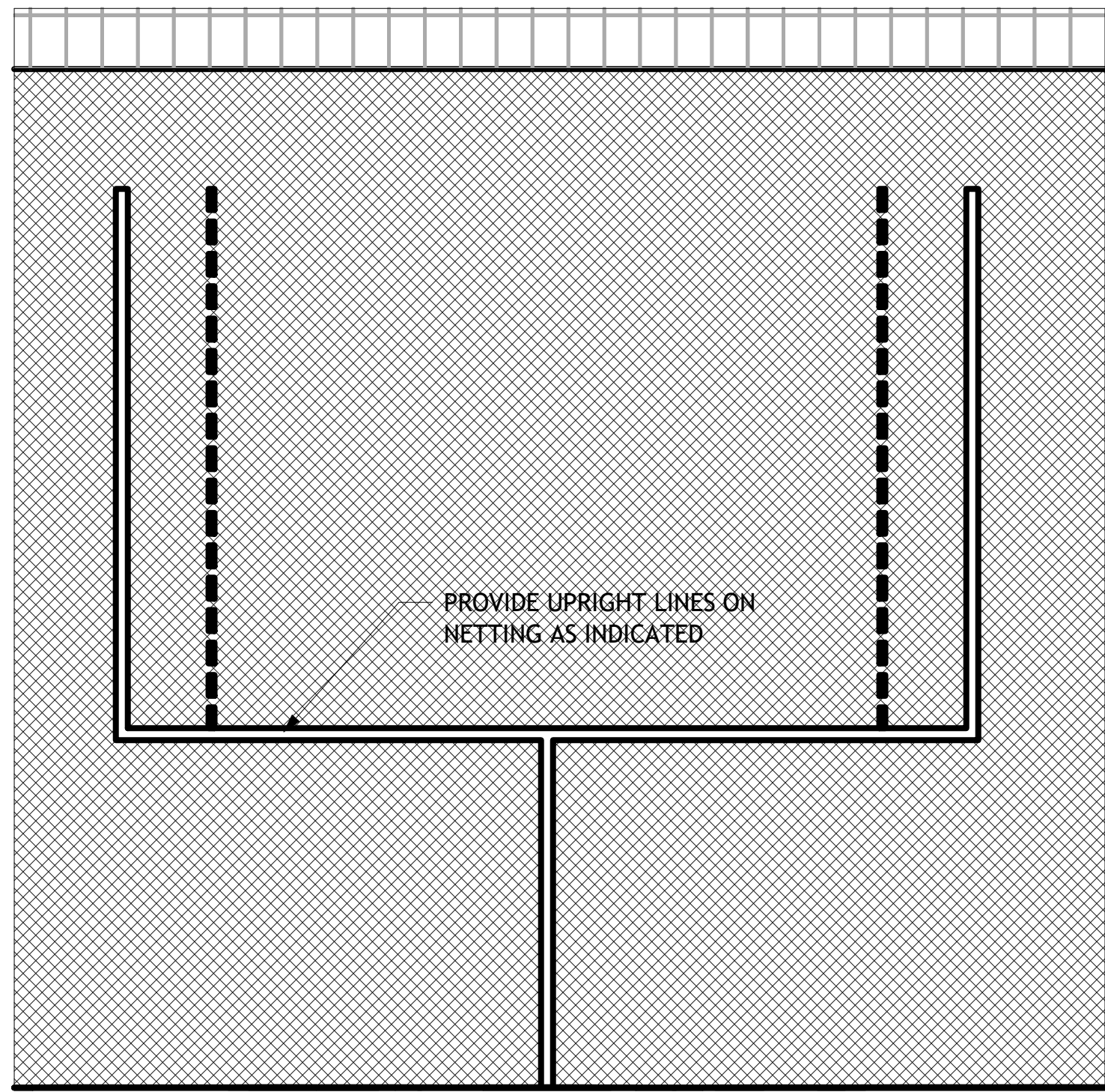
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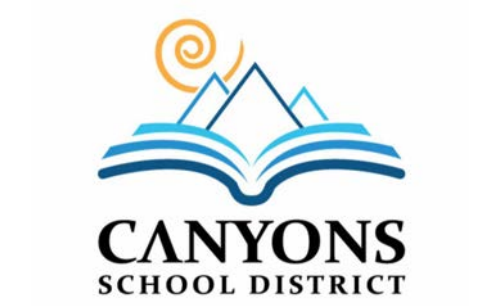
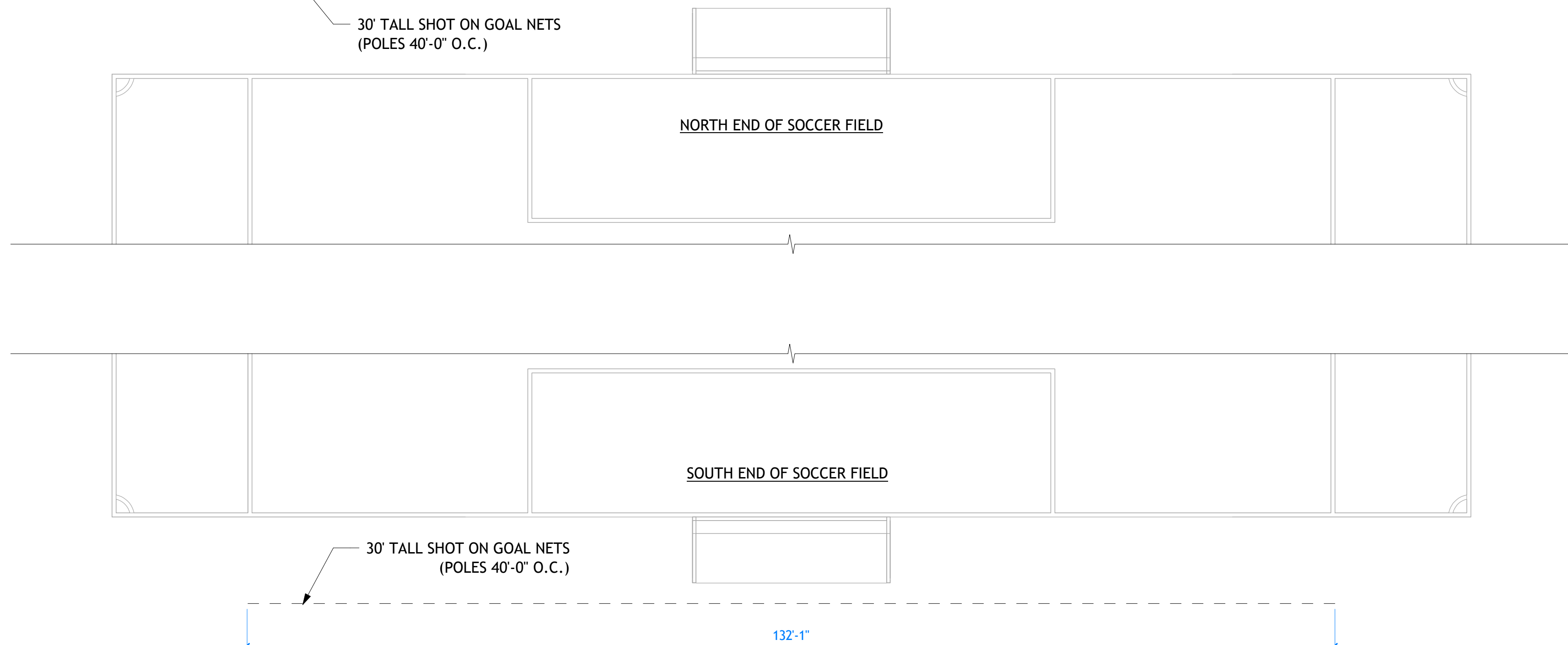
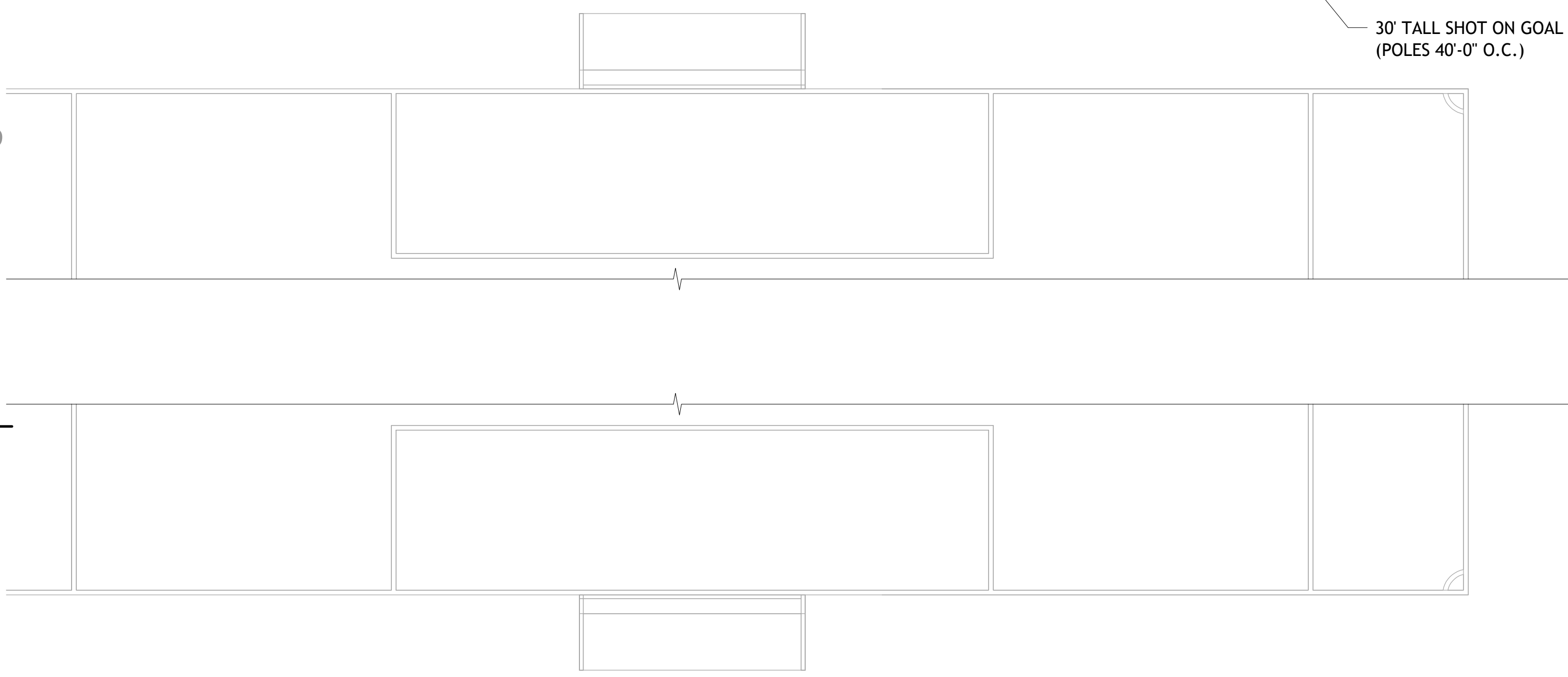
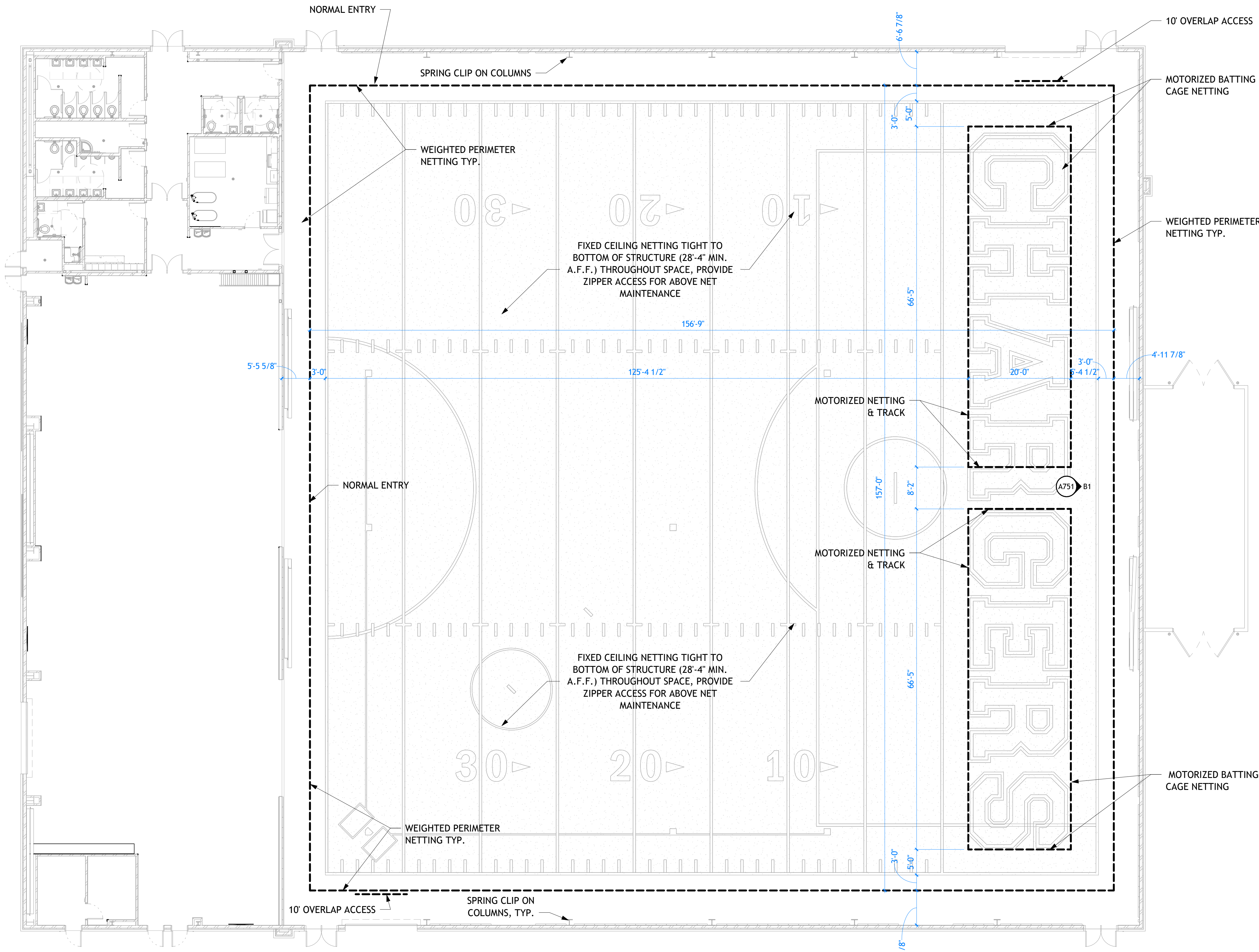
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**B1** NETTING UPRIGHT  
A751 | SCALE: 1/4" = 1'-0"



REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL



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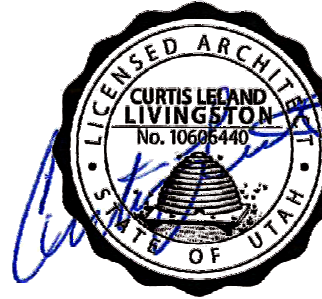
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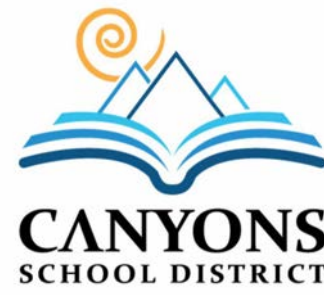
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

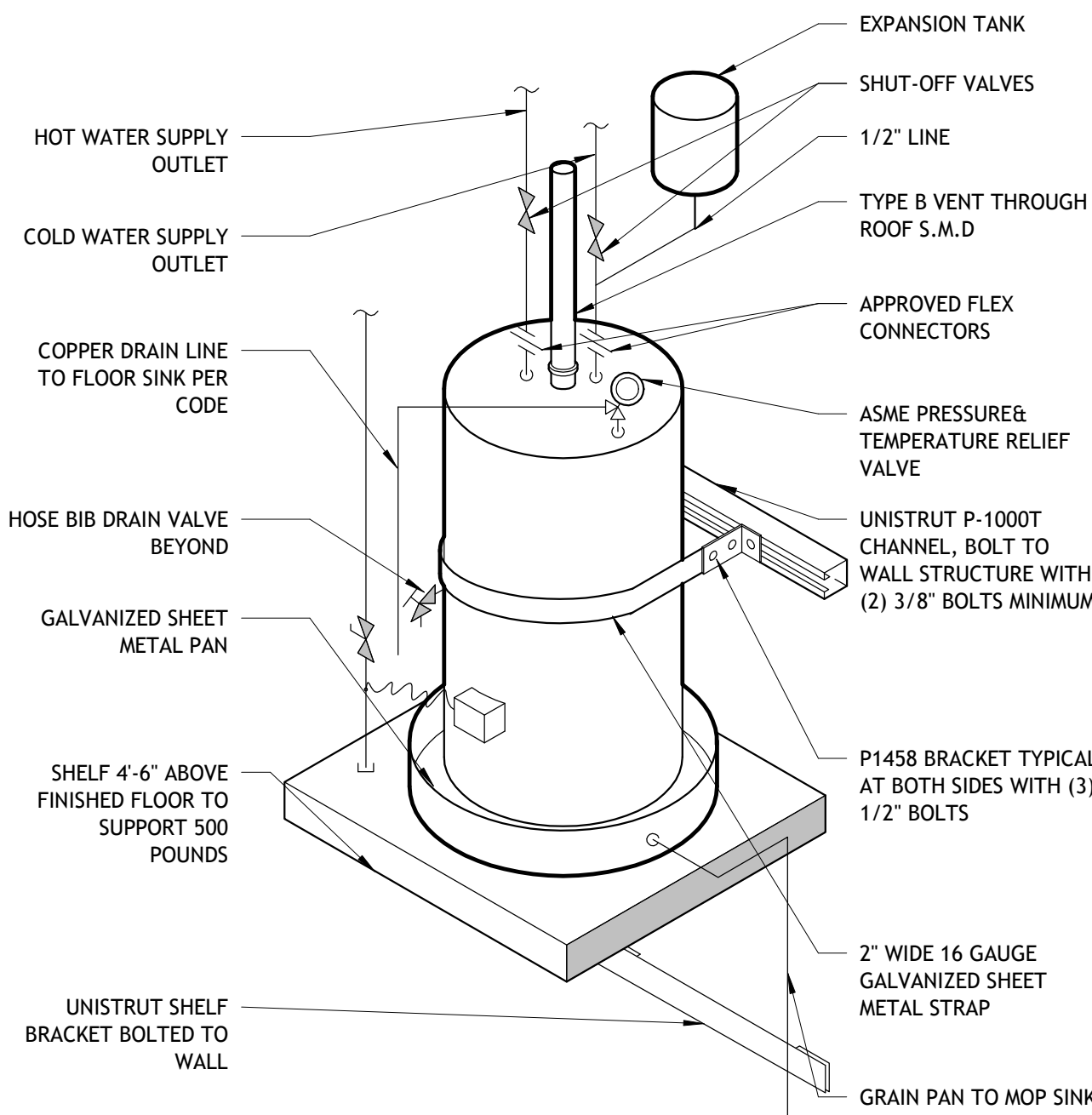
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TO BE PRINTED IN COLOR

SHEET TITLE

SPECIALTY  
DETAILS

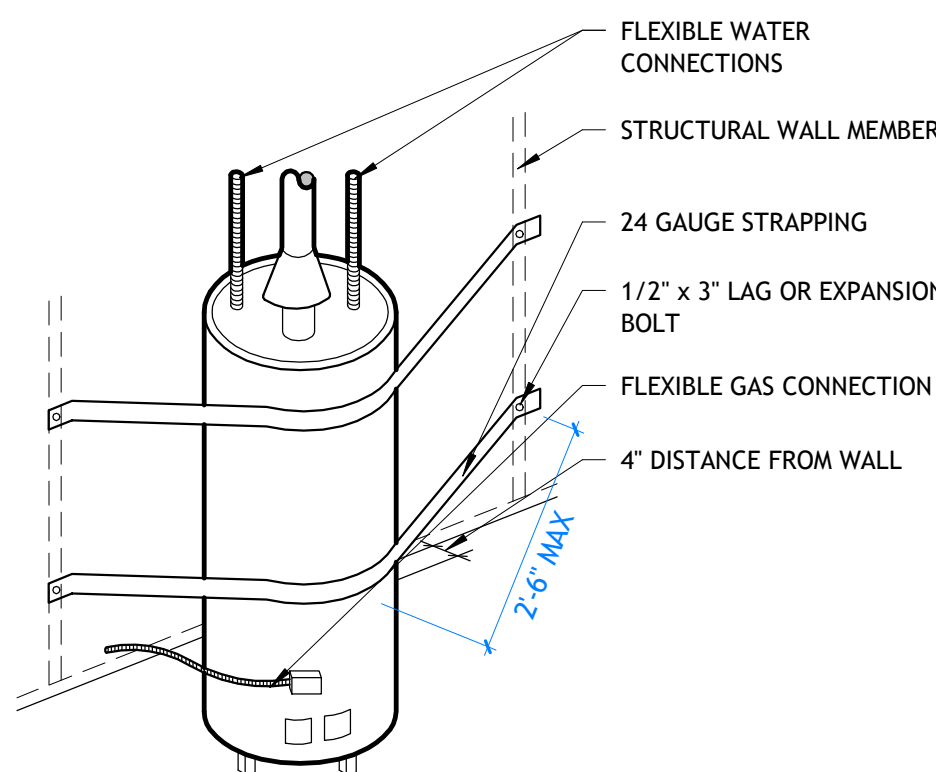
SHEET NUMBER

A752



**D1** SEISMIC WATER HEATER DETAIL

A752 SCALE: 3/4" = 1'-0"

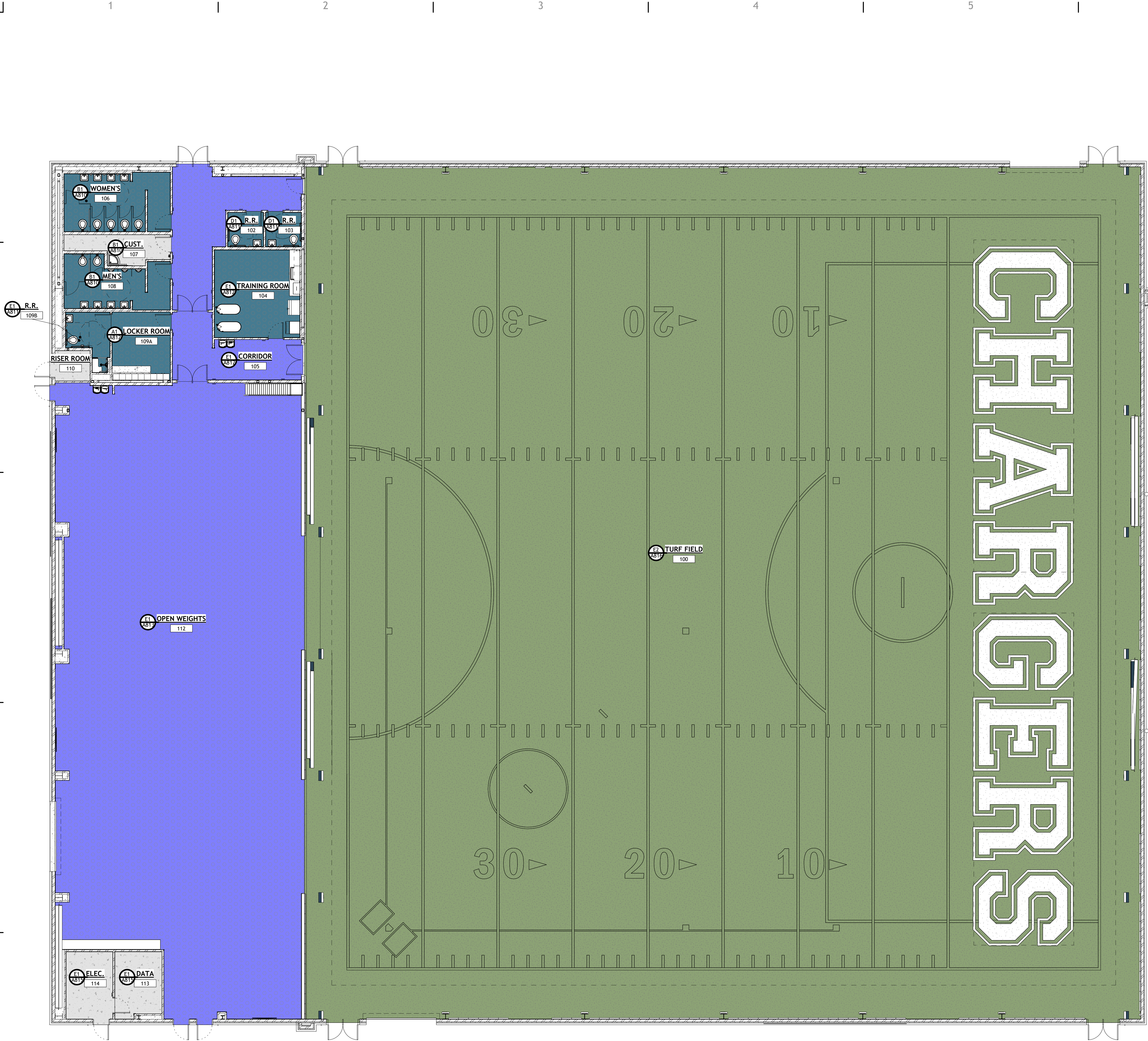


**B3** SEISMIC WATER HEATER DETAIL

A752 SCALE: 1/2" = 1'-0"



A  
—  
B  
—  
C  
—  
D  
—  
E



KEYNOTES

WALL FURNISHINGS LEGEND		
A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10' X 132'	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
\* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

FLOOR FINISHES		
F1	RUBBER FLOORING TYPE 1	
F2	RUBBER FLOORING TYPE 2	
F3	EPOXY PAINTED CONCRETE	
F4	TURF TYPE 1	
F5	TURF TYPE 2	
F6	TURF TYPE 3	
F7	TURF TYPE 4	
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED	
F9	LUXURY VINYL TILE	
F10	ACCENT LUXURY VINYL TILE	
F11	CARPET TILE	
F12	ACCENT CARPET TILE	
F13	PORCELAIN FLOOR TILE	

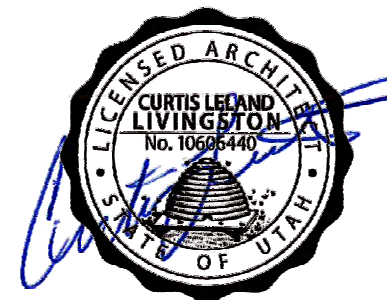
SEE A802 FOR FINISHES

FINISH LEGEND	
CODE	MATERIAL
2-BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

GENERAL NOTES

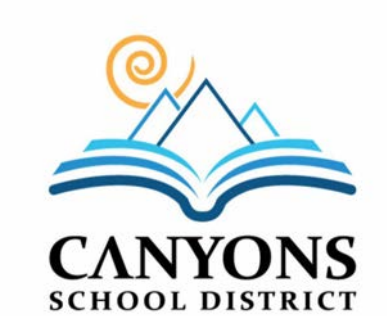
- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL-SIDE OF ALL DOORS. PROVIDE C. MILLWORK SHOWN FOR CLARITY. PROVIDE FLOORING UNDER EQUIPMENT, MILLWORK AND COUNTERTOPS.
- D. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS
- E. FINAL FINISH SELECTION TO BE COORDINATED WITH ARCHITECT, OWNER AND INTERIOR DESIGNER.
- F. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS.
- G. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMES, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
- H. PROVIDE 3" DIAMETER HOLE THRU CONTER TOP AT ALL POWER AND DATE OUTLEST BELOW CABINET. PROVIDE 3MM PVC SLEEVE AROUND OPENING. COORDINATE WITH ELECTRICAL SHEETS. DRILL OPENING AFTER MILLWORK AS BEEN INSTALLED FOR ACCURATE LOCATION WITH ELECTRICAL.
- I. FINAL LOCATION OF ALL RESTROOM EQUIPMENT TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION.
- J. CHAMFER ALL EXPOSED CORNERS ON COUNTERTOPS.
- K. ALL WINDOWS TO RECIEVE SOLID SURFACE SILLS. SEE A802 & SPECIFICATIONS FOR FINISH DETAILS.
- L. PROVIDE STAINLESS STEEL CORNER GUARDS AT ALL DRYWALL CORNERS PER DETAIL D4/A560.
- M. PROVIDE SCHULTER TRIM PIECE ON ALL EXPOSED TILE EDGES AND EXTERIOR CORNERS. SEE SPECIFICATIONS
- N. ALL ROOMS TO RECIEVE ROOM SIGNS AT EACH ENTRY INTO SPACE. PLAN FOR APPROPRIATE AMOUNT PER ROOM.
- O. A PRE-INSTALLATION MEETING IS TO BE SCHEDULED WITH THE OWNER, ARCHITECT, GENERAL CONTRACTOR, GYMNASIUM EQUIPMENT SUBCONTRACTOR, AND THE MULTI-PURPOSE ROOM FLOORING SUBCONTRACTOR TO COORDINATE THE LAYOUT AND INSTALLATION OF THE GYMNASIUM EQUIPMENT AND THE FLOOR GAME LINES.
- P. PROVIDE FLOOR TRANSITION STRIPS AT ALL FLOOR MATERIAL TRANSITIONS PER DETAILS. SHEETS A550.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

Δ DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

FURNISHINGS  
PLAN - LEVEL  
1

SHEET NUMBER

A801



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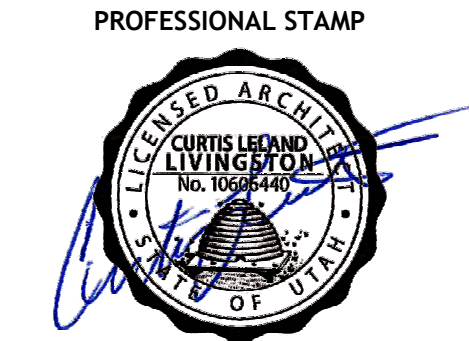
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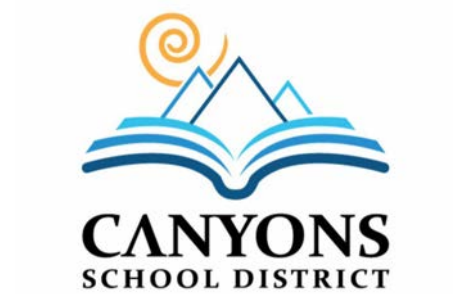
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FINISH ROOM SCHEDULE MAIN							
Name	Number	Floor Finish	Base Finish	Wall Finish	Millwork Finishes	Ceiling Finish	Door Finish
TURF FIELD	100	F4, F5, F6, F7	B1	W7, W10, W11	-	CL3	D1
VESTIBULE	101	F2	B1	W1, W6	-	CL2	D1
R.R.	102	F1	B2	W3	-	CL1	D1
R.R.	103	F1	B2	W3	-	CL1	D1
TRAINING ROOM	104	F1	B1	W1, W3	M1, M2	CL2	D1
CORRIDOR	105	F2	B2	W1, W6	-	CL2	D1
WOMENS	106	F1	B2	W3	-	CL1	D1
CUST.	107	F3	B1	W1, W4	-	-	D1
MENS	108	F1	B2	W3	-	CL1	D1
LOCKER ROOM	109A	F1	B1	W1, W5	-	CL1	D1
R.R.	109B	F1	B2	W3	-	CL1	D1
RISER ROOM	110	F3	B1	W1	-	-	D1
OPEN WEIGHTS	112	F2	B1	W1, W2, W10, W11, W12	M1, M2	CL3	D1
DATA	113	F3	B1	W1	-	-	D1
ELEC.	114	F3	B1	W1	-	-	D1
MENS	115	F1	B1	W1	-	-	D1
BALCONY	200	F9	B1	W1	-	-	D2

INTERIOR FINISH SCHEDULE						
CODE	MATERIAL	MANUFACTURER	PRODUCT NAME / NUMBER	COLOR / FINISH	SIZE	COMMENTS
1-FLOOR FINISHES						
F1	RUBBER TYPE 1	MONDO FLOORING	RAMFLEX	MARINE BLUE G986	ROLLS	CHEMICALLY WELDED
F2	RUBBER TYPE 2	MONDO FLOORING	SPORT IMPACT	DARK GREY 8018	3' X 3' TILES	NO INTERLOCKING
F3	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	-
F4	TURF TYPE 1	-	-	-	-	NIC - OWNER PROVIDED
F5	TURF TYPE 2	-	-	-	-	NIC - OWNER PROVIDED
F6	TURF TYPE 3	-	-	-	-	NIC - OWNER PROVIDED
F7	TURF TYPE 4	-	-	-	-	NIC - OWNER PROVIDED
F8	EXISTING RUBBER	-	-	-	-	-
F9	LUXURY VINYL TILE	JJ FLOORING	STEP BY STEP 9MM	ALL PURPOSE	18" X 36"	INSTALLATION: ASHLAR
F10	LUXURY VINYL TILE ACCENT	JJ FLOORING	STEP BY STEP 9MM	DENIM 1134	18" X 36"	INSTALLATION: ASHLAR
F11	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	CONCRETE 00570	18" X 36"	INSTALLATION: STAGGARED
F12	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	HARBOR 00460	18" X 36"	INSTALLATION: STAGGARED
F13	PORCELAIN FLOOR TILE	DALTILE	-	-	-	-
2-BASE FINISHES						
B1	6" RUBBER BASE	JOHNSONITE BY TARKETT	MANDALAY	BURNT UMBER 63	6"	-
B2	CORRESPONDING TILE BASE	-	-	-	-	-
3-WALL FINISH						
W1	GENERAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	SHEEN: EGGSHELL
W2	ACCENT PAINT	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	SHEEN: EGGSHELL
W3	PORCELAIN WALL TILE	DALTILE	SYNCHRONIC	WHITE SY30 MATTE	12X24	GROUT: CBP "ASH" #642 / INSTALLATION: VERTICAL STRAIGHT STACK
W4	CERAMIC WALL TILE	DALTILE	COLOR WHEEL LINEAR	MATTE SUEDE GRAY 0782	4X16	GROUT: CBP "PEWTER" #19 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W5	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	-
W6	PORCELAIN WALL TILE	DALTILE	VOLUME 1.0	SONIC WHITE VL75	12x24	GROUT: CBP "ASH" #642 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W7	WALL PADDING	-	-	-	2X6 TYPICAL	COLOR TO BE SELECTED BY INTERIOR DESIGNER
W8	ACCENT PAINT 2	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	FINISH: EGGSHELL
W9	ACCENT PAINT 3	SHERWIN WILLIAMS	-	DOMINO SW6989	-	FINISH: EGGSHELL
W10	PAINTED METAL STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
W11	FIELD METAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: SEMI-GLOSS
W12	DIAMOND PLATE	INPRO	-	STAINLESS STEEL DIAMOND PLATE	-	FINISH WITH CORNER GUARDS IN SAME DIAMOND PLATE PATTERN
W13	PLASTIC LAMINATE WALL PANELS	FORMICA	-	WALNUT RIFTWOOD S283-NG	-	USE FRY REGLET 1/2" MILLWORK REVEAL INBETWEEN MDF WRAPPED PANELS.
W14	TEXTILE WALLCOVERING	SBR TECHNOLOGIES	-	-	-	CUSTOM WALLCOVERING. BRANDING PROVIDED BY OWNER.
4-MILLWORK FINISHES						
M1	PLASTIC LAMINATE MILLWORK	FORMICA	-	STORM 912-58	-	-
M2	PLASTIC LAMINATE COUNTERTOP	WILSONART	-	GREY PAMPAS 4168-60	-	EASED EDGE
M3	SOLID SURFACE	FORMICA	EVERFORM	GAMMA GRAY 417	3CM	EASED EDGE USED AS WINDOW SILLS AS WELL
M4	PLASTIC LAMINATE MILLWORK	FORMICA	-	WALNUT RIFTWOOD S283-NG	-	-
5-CEILING FINISH						
CL1	PAINTED GYPSUM BOARD	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: FLAT
CL2	ACOUSTIC CEILING TILE	-	-	-	-	-
CL3	PAINTED STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
6-DOOR FINISHES						
D1	PAINTED METAL DOOR & TRIM	SHERWIN WILLIAMS	-	DOMINO SW6989	-	TRIM OF DOOR MATCH EXISTING. SHEEN - SEMI-GLOSS
D2	WOOD DOOR & PAINTED METAL TRIM	SHERWIN WILLIAMS	-	-	-	SHEEN: SEMI-GLOSS



CONSULTANT INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**  
12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
△ DESCRIPTION	DATE
PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL
DRAWING SET STATUS	
BID SET	
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SHEET TITLE	

FINISH LEGEND

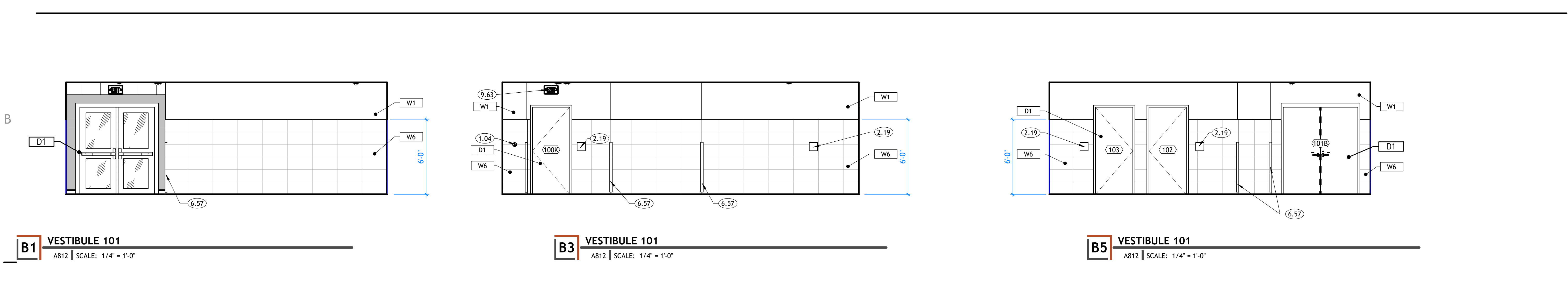
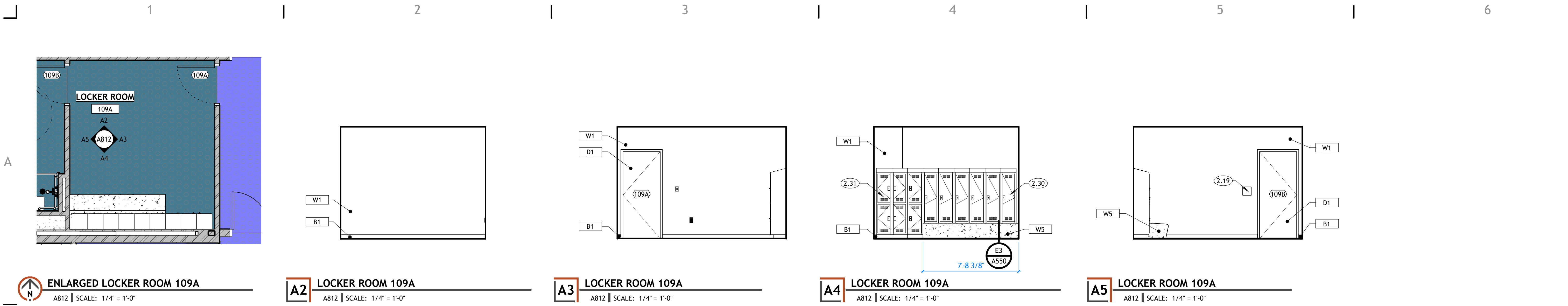












**KEYNOTES**

1.04 ADA ACTUATOR, SEE SPECIFICATIONS, COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER, ELECTRICAL, AND HARDWARE.

2.19 ROOM SIGNAGE, EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.

2.30 LOCKER ROOM 1-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS, COLORS BY ARCHITECT.

2.31 LOCKER ROOM 2-TIER LOCKERS WITH SLOPED TOP. SEE SPECIFICATIONS, COLORS BY ARCHITECT.

6.57 4" TALL STAINLESS STEEL CORNER GUARD, APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION

7.07 ICE MAKER (NIC).

7.15 REFRIGERATOR WITH FREEZER (N.I.C.).

7.90 HYDROCOLLATOR (N.I.C.).

9.63 EXIT SIGN.

11.17 ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

**CORE ARCHITECTURE**

SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

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**PROFESSIONAL STAMP**

**CONSULTANT INFORMATION**

**FLOOR FINISHES**

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

**OWNER INFORMATION**

**CANYONS SCHOOL DISTRICT**

**FINISH LEGEND**

CODE	MATERIAL
2-BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

**WALL FURNISHINGS LEGEND**

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" x 36"	MIRROR
B2	48" x 72"	MIRROR
C1	24" x 72"	WALL PADDING
C2	18" x 72"	I-BEAM WALL PADDING
C3	10" x 132"	CROSS BEAM WALL PADDING

**NOTE:** COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
\* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%.

**GENERAL NOTES**

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.

B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.

C. INTERIOR DRYWALL CORNERS TO BE SQUARE.

D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.

E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.

F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.

G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.

H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.

I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.

J. PROVIDE SCHLUTER-RODECK CORNER PIECE WHERE TILE MEETS DOOR JAMBS

**PROJECT TITLE AND ADDRESS**  
**CCHS FIELDHOUSE & SOCCER FIELD**  
12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

**REVISIONS**

DESCRIPTION	DATE

**PROJECT INFORMATION**

DATE: SEPTEMBER 12, 2024  
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PIC: CLL

**DRAWING SET STATUS**

**BID SET**

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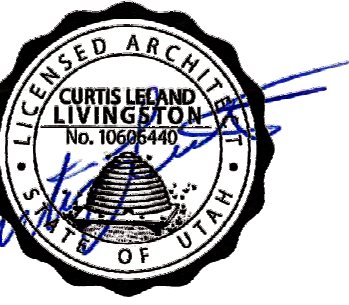
**SHEET TITLE**

**ENLARGED TRAINING ROOM**

**SHEET NUMBER**

**A812**





# CCHS FIELDHOUSE & SOCCER FIELD

# IEI SHJ

DRAPER, UTAH 84020

## DISCUSSION

DESCRIPTION	DATE

## PROJECT INFORMATION

E: SEPTEMBER 12, 2024  
 SUBJECT #: 24-013  
 PA: KJM  
 CLL

## DRAWING SET STATUS

**SET**

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

## TITLE

## ENLARGED MEN WEIGHS

## NUMBER

A813














## KEYNOTES

6.03 4" TALL STAINLESS STEEL CORNER GUARD  
11.17 ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING  
FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.

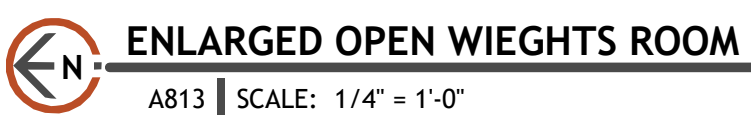
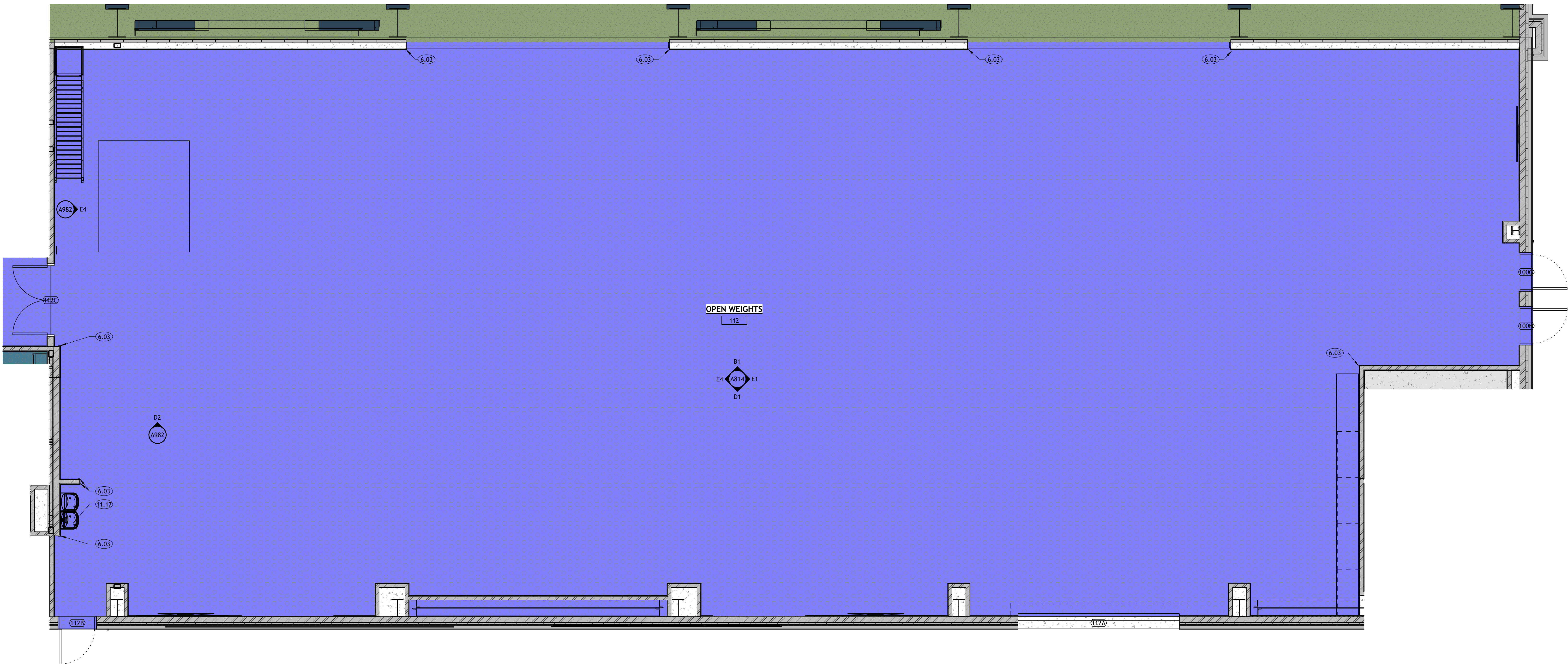
### GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER-CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. INTERIOR DRILL CORERS MUST BE SQUARE.
- D. WALL PENETRATIONS FOR INTERIOR TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS.
- E. SEE DETAILS ON SHEET AD02 FOR TYPICAL FIXTURE MOUNTING HEIGHTS, BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
- F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL.
- G. ALL MILLWORK NUMBERS NOTED ARE TMS SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- H. FINISH ALL EXTERIOR TILE WORK TO MATCH CK - K.
- I. IN ADDITION TO TMS SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWLINE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS TO LOCATE WORK CORRECTLY ON ONE OR THE OTHER.
- J. MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- K. PROVIDE SCHLUTER-RONDEK CORNER PIECE WHERE TILE MEETS DOOR JAMBS

## FLOOR FINISHES

F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9		LUXURY VINYL TILE
F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES





A814



1  
2  
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KEYNOTES

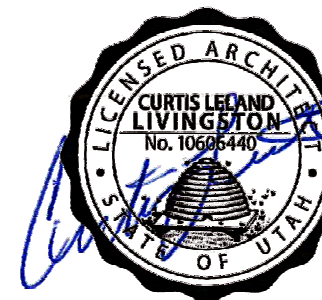
6.03 4 TALL STAINLESS STEEL CORNER GUARD



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

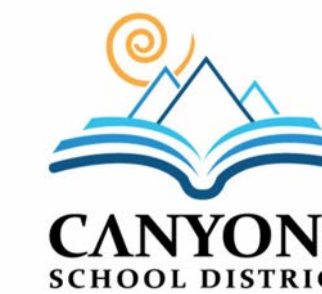
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



FLOOR FINISHES		
F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
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F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE
SEE A802 FOR FINISHES		

FINISH LEGEND	
CODE	MATERIAL
2-BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND		
A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

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- ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
- IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

Δ	DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

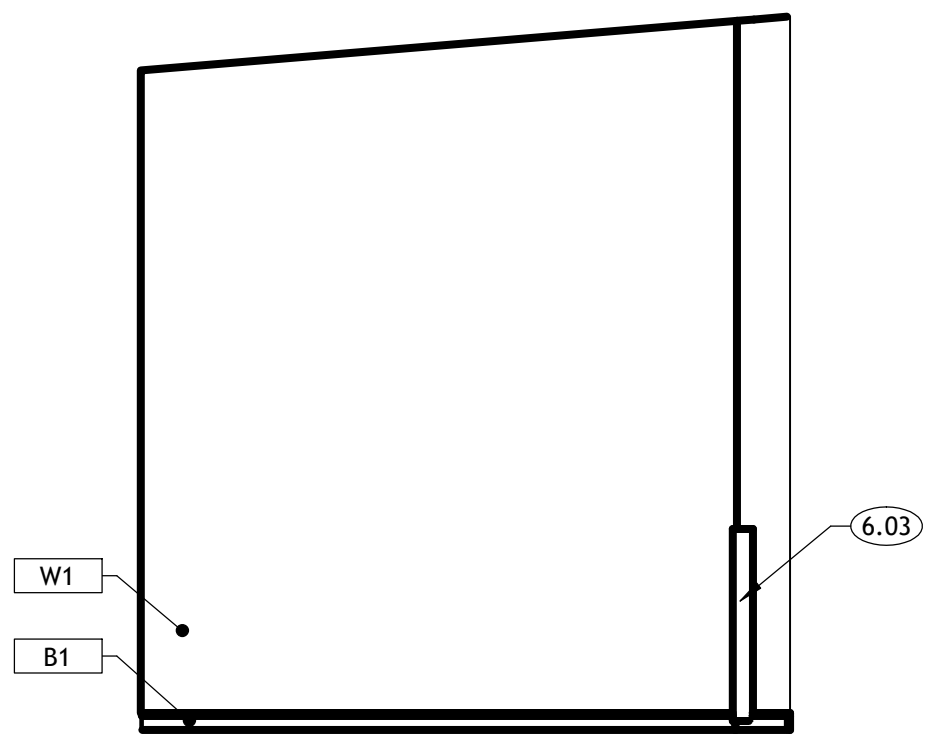
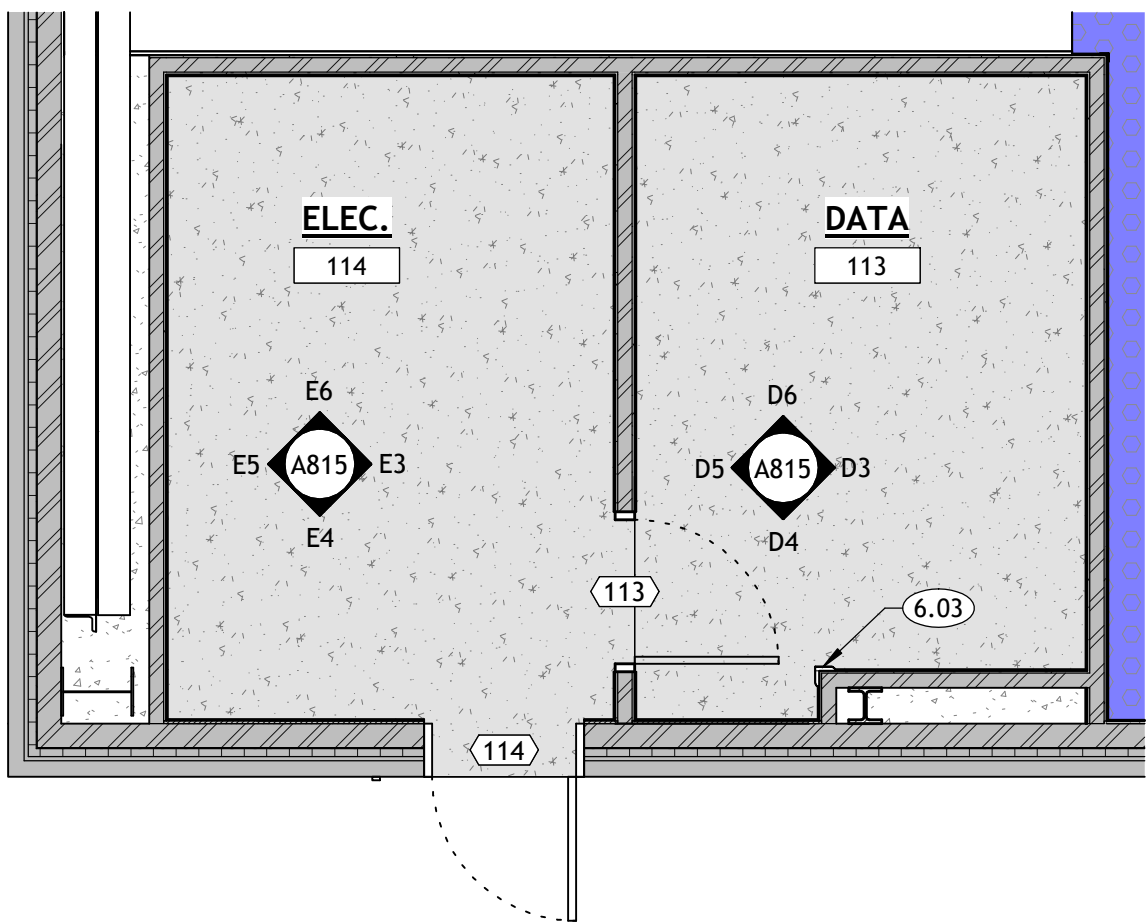
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SHEET TITLE

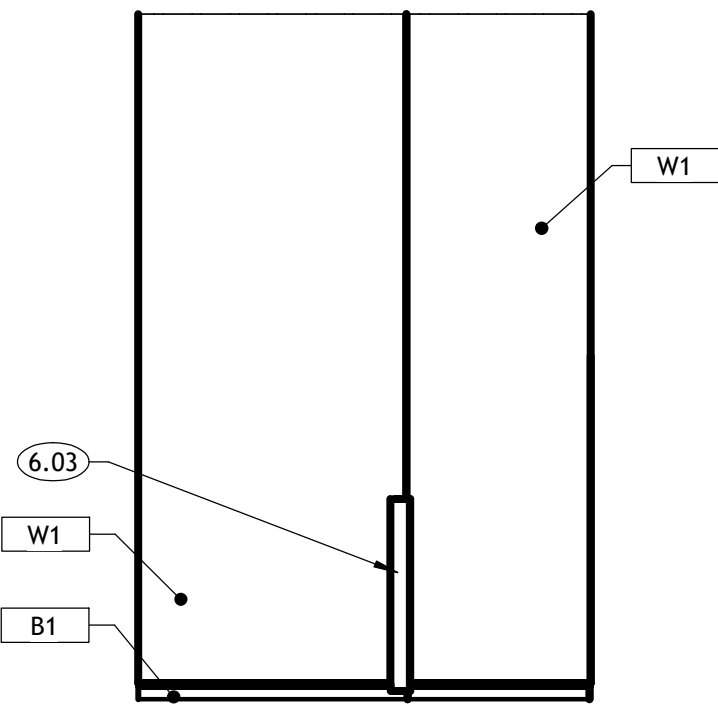
ENLARGED  
DATA & ELEC.  
ROOMS

SHEET NUMBER

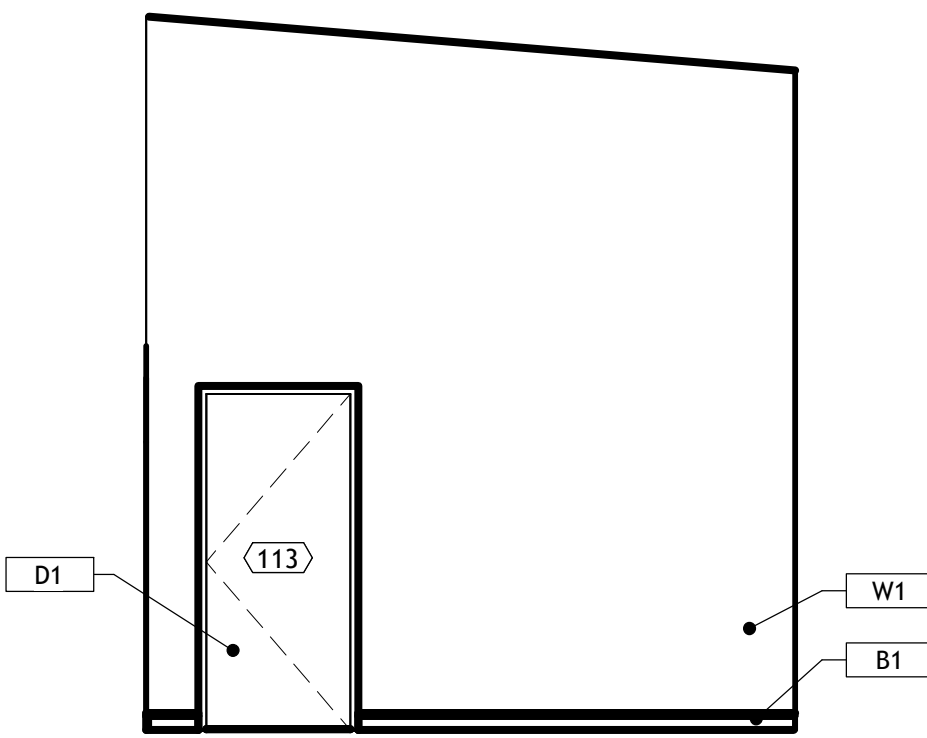
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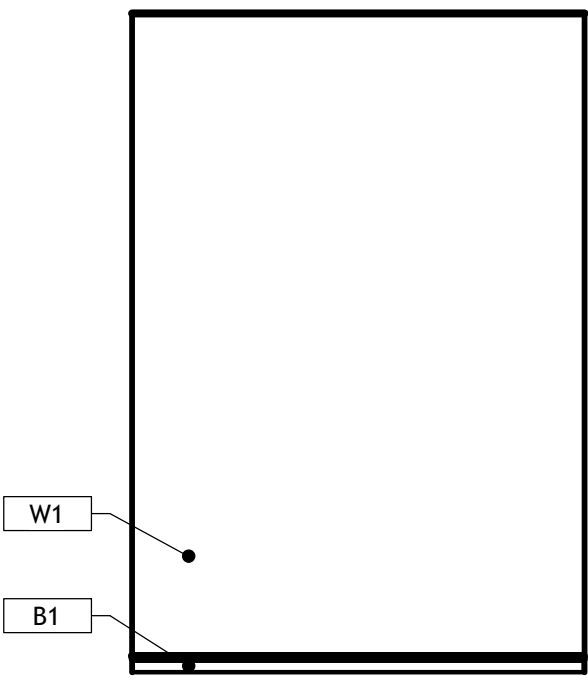
D3 DATA 113 - A  
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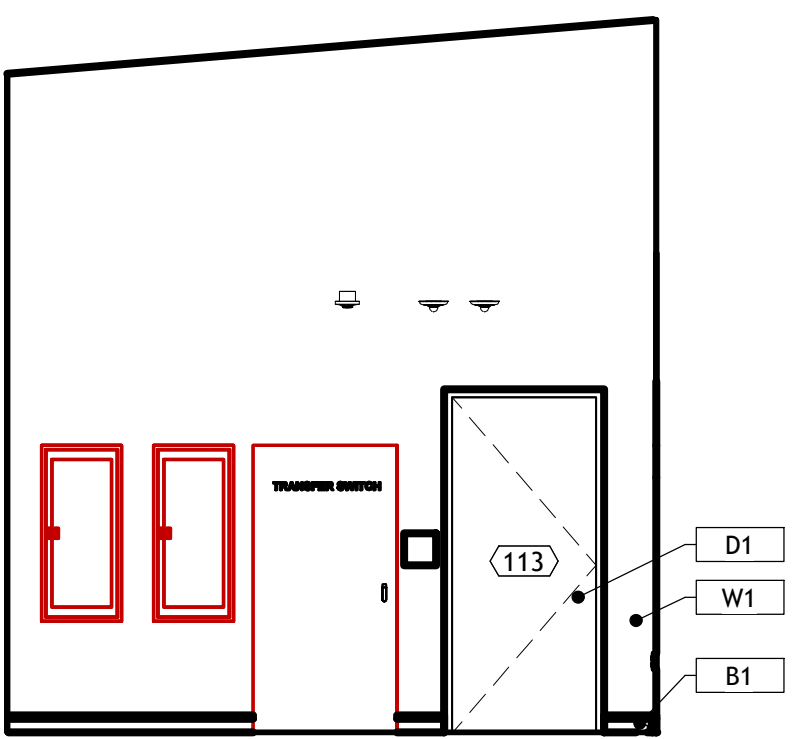
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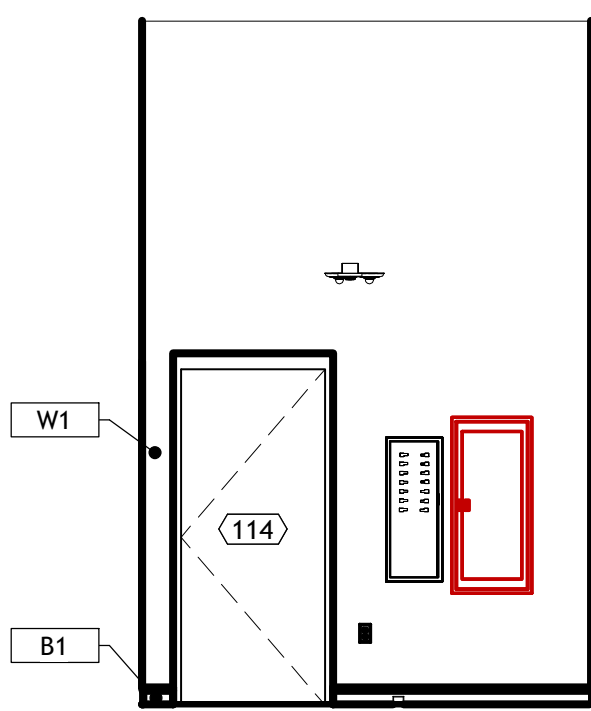
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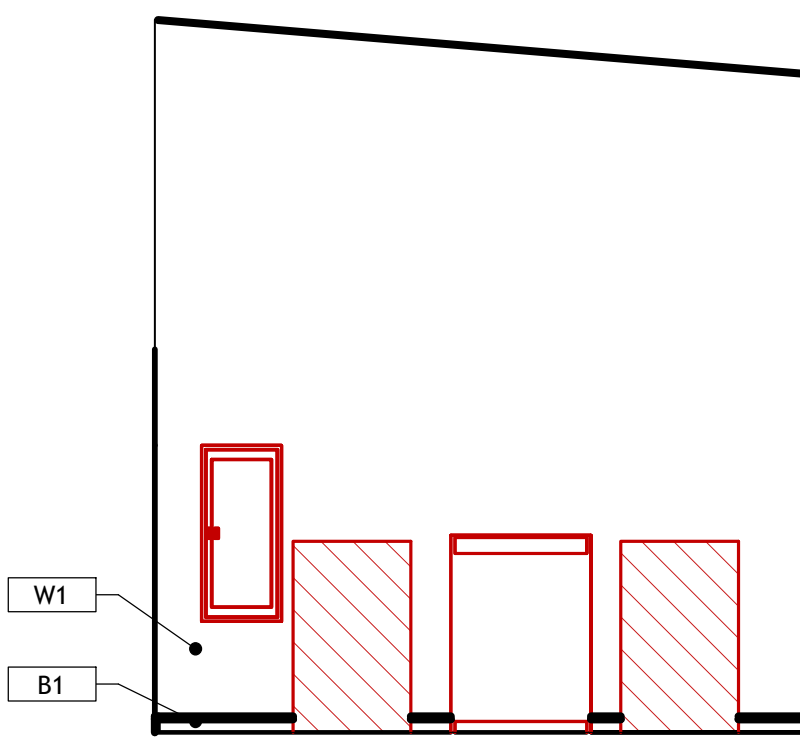
D6 DATA 113 - D  
A815 | SCALE: 1/4" = 1'-0"



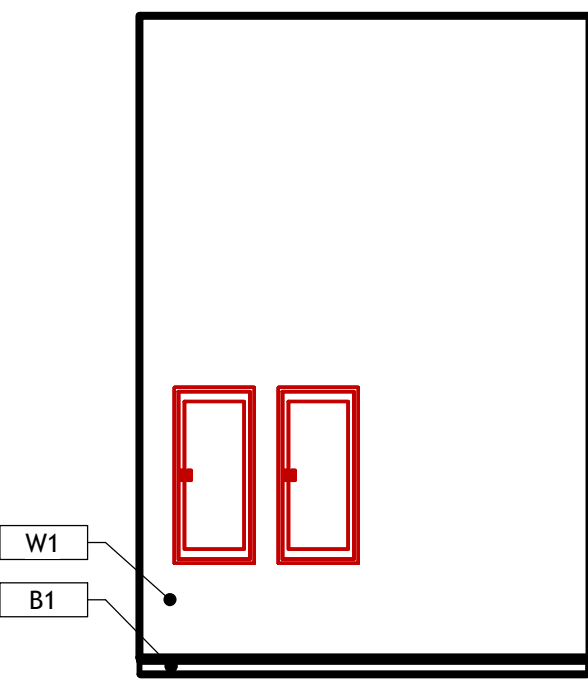
E3 ELEC. 114 - A  
A815 | SCALE: 1/4" = 1'-0"



E4 ELEC. 114 - B  
A815 | SCALE: 1/4" = 1'-0"



E5 ELEC. 114 - C  
A815 | SCALE: 1/4" = 1'-0"



E6 ELEC. 114 - D  
A815 | SCALE: 1/4" = 1'-0"



# CCHS FIELDHOUSE & SOCCER FIELD

# FILE

DRAPER, UTAH 84020

[illegible]

## PROJECT INFORMATION

E: SEPTEMBER 12, 2024  
 SUBJECT #: 24-013  
 PA: KJM  
 CLL

### DRAWING SET STATUS

## QUESTION SET














THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

**SHEET TITLE**

## ENLARGED TURF FIELD

**SHEET NUMBER**

A816

F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
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F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

CODE		MATERIAL
2- BASE FINISHES		
B1	1" RUBBER BASE	
B2	CORRESPONDING TILE BASE	
3- WALL FINISH		
W1	GENERAL PAINT	
W2	ACCENT PAINT	
W3	PORCELAIN WALL TILE	
W4	CERAMIC WALL TILE	
W5	EPOXY PAINTED CONCRETE	
W6	PORCELAIN WALL TILE	
W7	WALL PADDING	
W8	ACCENT PAINT 2	
W9	ACCENT PAINT 3	
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W11	FIELD METAL PAINT	
W12	DIAMOND PLATE	
W13	PLASTIC LAMINATE WALL PANELS	
W14	TEXTILE WALLCOVERING	
4- MILLWORK FINISHES		
M1	PLASTIC LAMINATE MILLWORK	
M2	PLASTIC LAMINATE COUNTERTOP	
M3	SOLID SURFACE	
M4	PLASTIC LAMINATE MILLWORK	
5-CEILING FINISH		
CL1	PAINTED GYPSUM BOARD	
CL2	ACOUSTIC CEILING TILE	
CL3	PAINTED STRUCTURE	
6- DOOR FINISHES		
D1	PAINTED METAL DOOR & TRIM	
D2	WOOD DOOR & PAINTED METAL TRIM	

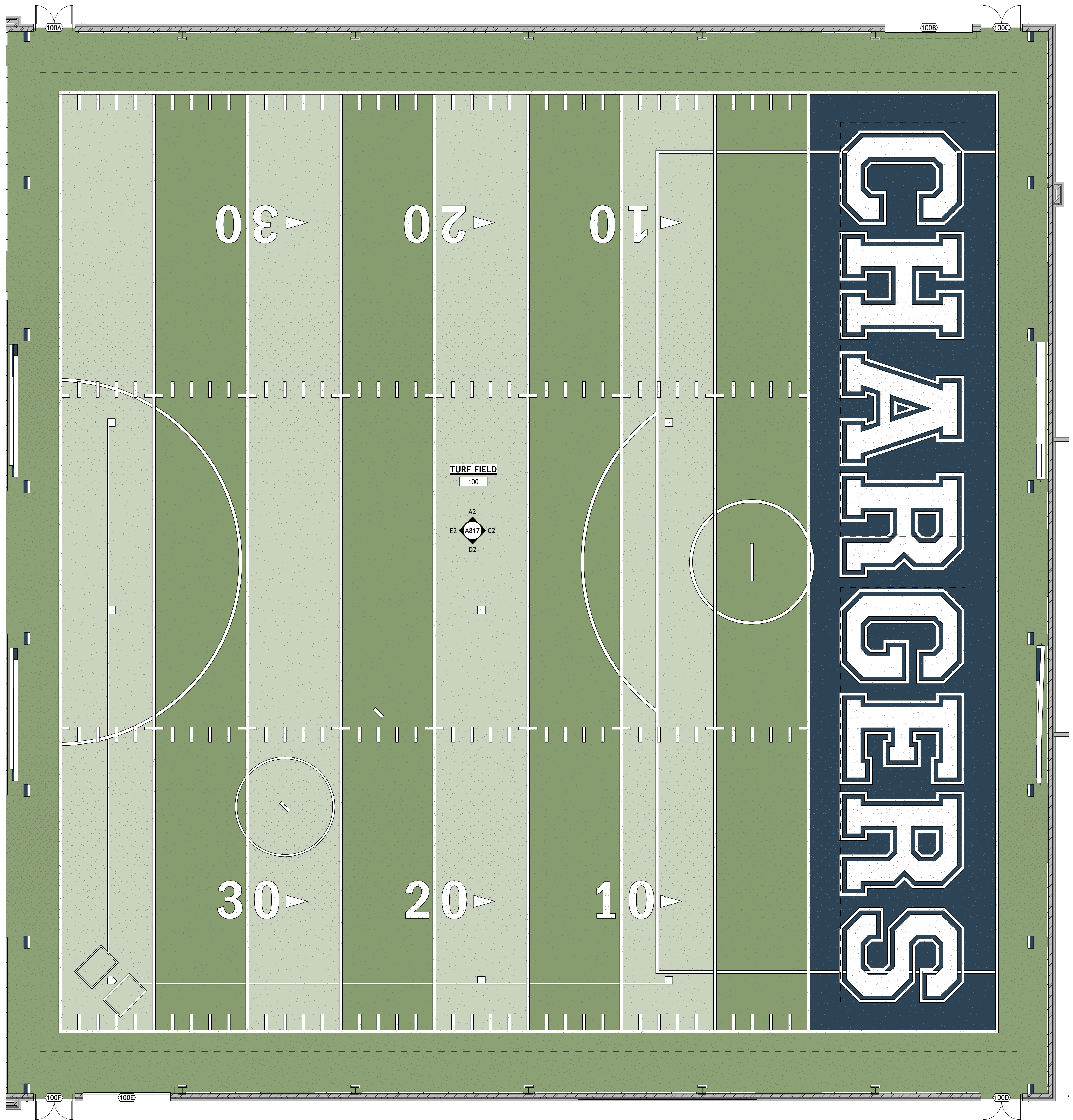
### WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
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- D. WALL TYPES SHOULD NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES. SEE SECTION 90100 FOR REFERENCE TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE INSTALLATION SHALL BE IN ACCORDANCE WITH THE TILE WORKER CODE.
- E. SEE DETAILS ON SHEET ABOVE FOR TILE LAYOUT AND JOINT HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
- F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL 90100-1.
- G. ALL MILLWORK NUMBERS NOTED ARE T1 SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- H. FINISH AND EXTENSION TO THE EXTERIOR TO THE BACK ECK - K.
- I. IN ADDITION TO T1 SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEAUNUE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEAUNUE MILLWORK AND OTHER MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- J. PROVIDE SCHLUTER-RODANCE CORNER PIERCE WHERE TILE MEETS DOOR JAMBS.



**ENLARGED TURF FIELD**  
A816 | SCALE: 1/8" = 1'-0"



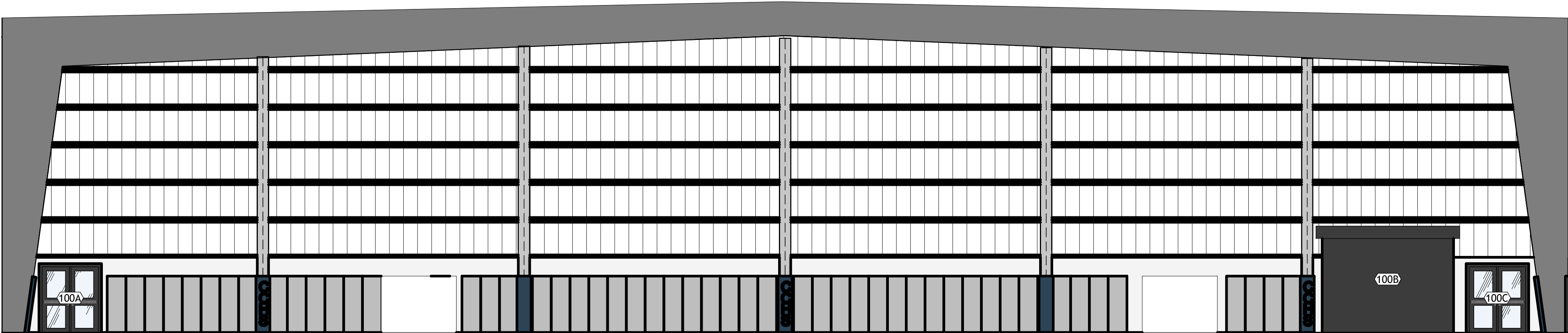
A

B

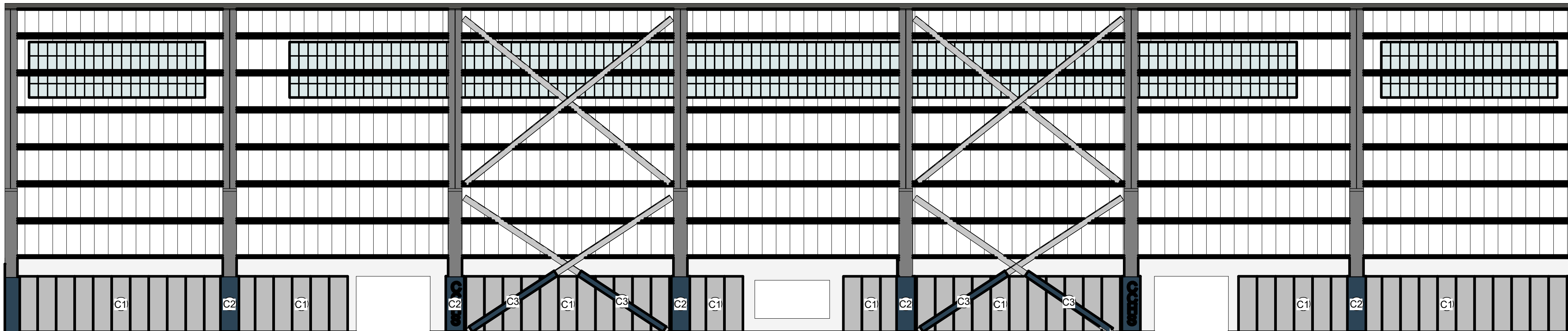
C

D

E



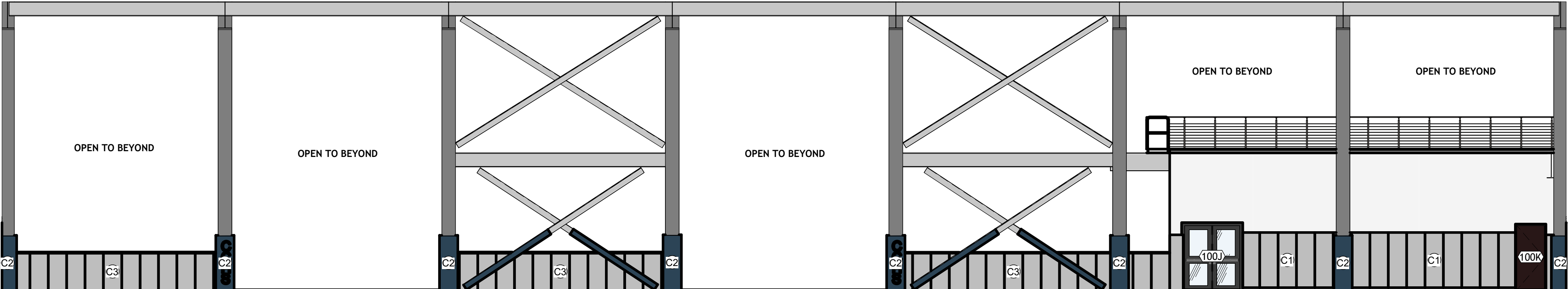
**A2** TURF FIELD 100 - A  
A817 | SCALE: 1/8" = 1'-0"



**C2** TURF FIELD 100 - B  
A817 | SCALE: 1/8" = 1'-0"



**D2** TURF FIELD 100 - C  
A817 | SCALE: 1/8" = 1'-0"



**E2** TURF FIELD 100 - D  
A817 | SCALE: 1/8" = 1'-0"

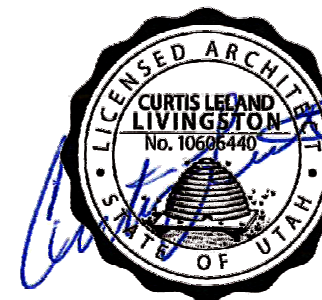
KEYNOTES



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

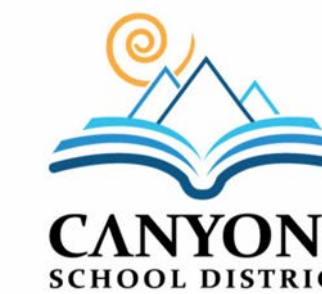
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

FLOOR FINISHES		
F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
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F4		TURF TYPE 1
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SEE A802 FOR FINISHES

FINISH LEGEND	
CODE	MATERIAL
2-BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
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CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

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REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ENLARGED TURF FIELD

SHEET NUMBER

A817



A

B

C

D

E

2

3

4

5

6

7

## CODE ANALYSIS & BUILDING CRITERIA

### BUILDING OCCUPANCY ANALYSIS

CCHS FIELDHOUSE	
Area (S.F.)	36,981 SF
Design Occupancy Level 1	1,987
Design Occupancy Level 2	229
Total Design Occupancy	2,216

### PATH LEGEND

COMMON PATH EGRESS PATH FEC PATH

### DEFERRED SUBMITTALS

Fire Protection Sprinkler Drawings - Section 211310

Fire Alarm Drawings - Section 283123

DEFERRED SUBMITTALS ARE TO BE MADE IN COMPLIANCE WITH SECTION 107.3.4.1 OF THE 2018 INTERNATIONAL BUILDING CODE. DEFERRED SUBMITTAL DOCUMENTS SHALL RESUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL HAVING JURISDICTION WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL COMPLIANCE WITH THE DESIGN OF THE PROJECT. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED. THE DEFERRED SUBMITTAL SHALL BE SUBMITTED TO THE BUILDING OFFICIAL HAVING JURISDICTION PRIOR TO INSPECTIONS. THE WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

### FINISHES ANALYSIS

Roof Table 1505	
Provided	Class A
Interior Walls & Ceilings	
Provided @ Egress Enclosures & passages	Class B
Provided @ Corridors & other exit ways	Class C
Provided @ Room & Enclosures	Class C
Interior Floors	
Provided	Class 1 & 2

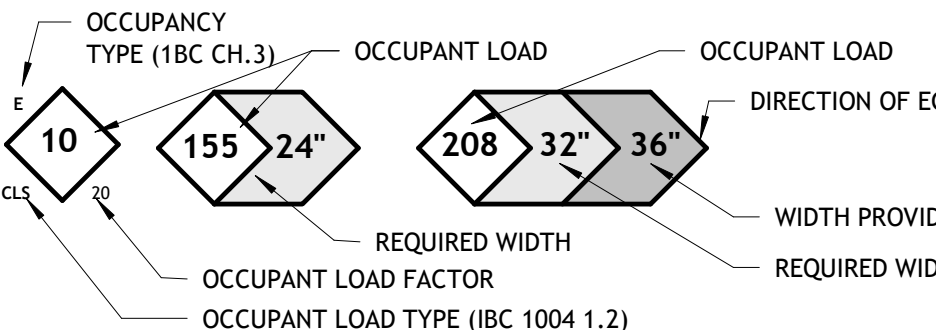
### BUILDING EGRESS ANALYSIS

CCHS FIELDHOUSE	
Required Points of Egress Table 1006.3.2	4
Actual points of Egress	7 <b>COMPLIANT</b>
Min. Required Corridor Width Table 1020.2	72"
Actual Min. Corridor Width	72" <b>COMPLIANT</b>
Max. Allowable Dead End	50'
Actual Max. Dead End	0' <b>COMPLIANT</b>
Max. Allowable Common Path of Egress Table 1006.2.1	75'
Actual Max. Common path of Egress	56' <b>COMPLIANT</b>
Max. Allowable Travel Distance 1017.2	250'
Actual Max. Travel Distance	183' <b>COMPLIANT</b>

### CODE ANALYSIS

CCHS FIELDHOUSE	
Occupancy Section 305	E
Construction Type Section 602	II-B
Fire-Sprinkler System Section 903	YES, Fully Sprinkled NFPA 13
Allowable Stories Section 504.4	3
Actual Stories	2 <b>COMPLIANT</b>
Allowable Height 504.4	75'-0"
Actual Height	38'-10" <b>COMPLIANT</b>
Base Allowable Floor Area (A <sub>b</sub> ) Table 506.2	43,500 SF per story
Non Sprinkled Allowable Area (N <sub>s</sub> ) Table 506.2	14,500 SF
Building Perimeter with Frontage (F) Section 506.3.2	775'-0"
Building Perimeter (P)	775'-0"
Weighted Average Frontage Width (W) Section 506.3.2	30
Frontage Increase Factor (I = [ F / (P-0.25) ] X W/30) Section 506.3	.75
Total Allowable Area (A <sub>b</sub> + I N <sub>s</sub> X I <sub>s</sub> ) Section 506.2	54,375 SF per story
Actual Main Floor Square Footage	37,872 SF <b>COMPLIANT</b>
Actual Upper Floor Square Footage	8,800 SF <b>COMPLIANT</b>
Total Area	46,672 SF

### OCCUPANCY/EXITING LEGEND



LOAD TYPE	LOAD FACTOR	LOAD TYPE	LOAD FACTOR
ACC	300 gross	EXE	50 gross
AGG	300 gross	FAB	200 gross
HAN	500 gross	IND	100 gross
TER	20 gross	TRT	240 gross
BAC	300 gross	OUT	100 gross
BAH	100 gross	SLP	120 gross
CON	15 gross	KIT	200 gross
GAM	11 gross	RED	50 net
EXH	30 net	STA	100 gross
FIX	see section 1004.6	LOC	50 gross
CHR	7 net	MAL	see section 402.8.2
STD	5 net	MER	60 gross
UNC	15 net	STO	300 gross
BOW	7 net	PRK	200 gross
BUS		RES	200 gross
CON		REC	50 gross
CRT	150		
DAY	35 net	DEC	15 gross
DOR	50 gross	STG	15 net
CLS	20 net	WAR	500 gross
VOC	50 net	*** PER FIRE MARSHALL	35 net

### OCCUPANCY TYPES

A1, A2, A3, A4, A5	ASSEMBLY
B	BUSINESS
E	EDUCATIONAL
F1, F2	FACTORY AND INDUSTRIAL
H1, H2, H3, H4, H5	HIGH HAZARD
I1, I2, I3, I4	INSTITUTIONAL
M	MERCANTILE
R1, R2, R3, R4	RESIDENTIAL
S1, S2	STORAGE
U	UTILITY AND MISCELLANEOUS

### PLUMBING FIXTURE ANALYSIS (IBC 2021)

Building to be an auxiliary building of existing. Occupancy from existing facility.

Required Water Closet Male	0
Provided Water Closet Male	5 <b>COMPLIANT</b>
Required Water Closet Female	0
Provided Water Closet Female	5 <b>COMPLIANT</b>
Required Water Closet Unisex	0
Provided Water Closet Unisex	6 <b>COMPLIANT</b>
Required Lavatories Male	0
Provided Lavatories Male	4 <b>COMPLIANT</b>
Required Lavatories Female	0
Provided Lavatories Female	4 <b>COMPLIANT</b>
Required Lavatories Unisex	0
Provided Lavatories Unisex	6 <b>COMPLIANT</b>
Required Drinking Fountains	0
Provided Drinking Fountains	2 <b>COMPLIANT</b>
Required Service Sinks	0
Provided Service Sinks	1 <b>COMPLIANT</b>

### EGRESSES TRAVEL PATH (ALT)

Type	Egress Path Length
COMMON PATH (ALT) 2-1	55'-6 1/8"
COMMON PATH (ALT) 2-2	50'-7 1/2"
EGRESS PATH (ALT) 1-1	112'-9 1/2"
EGRESS PATH (ALT) 2-1	183'-1 3/8"
EGRESS PATH (ALT) 2-2	147'-7 1/2"

### FIRE EXTINGUISHER LEGEND

- BRACKET MOUNTED
- SEMI-RECESSED
- SEMI-RECESSED CABINET WITH TYPE K EXTINGUISHER

### APPLICABLE CODES AND STANDARDS

- 2021 INTERNATIONAL BUILDING CODE.
- 2021 INTERNATIONAL FIRE CODE.
- 2021 INTERNATIONAL MECHANICAL CODE.
- 2021 INTERNATIONAL PLUMBING CODE
- 2021 INTERNATIONAL FUEL GAS CODE.
- 2020 NATIONAL ELECTRICAL CODE.
- ASHRAE 90.1 (2018 STANDARD)
- ICC 117.1 - 2009
- NFPA 101 - LIFE SAFETY CODE, 2009 EDITION
- UTAH STATE CODE AMENDMENTS, EFFECTIVE 1 JULY 2023

### SEPARATION LEGEND

- ONE-HOUR VERTICAL EXTERIOR ENCLOSURE (FIRE BARRIER).
- ONE-HOUR FIRE PARTITION.
- TWO-HOUR FIRE PARTITION (FIRE BARRIER).
- SMOKE PARTITION, INCIDENTAL USE RESISTANT TO SMOKE PASSAGE
- ONE-HOUR FIRE SEPARATION, (CEILING)
- COMMON PATH OF TRAVEL TO EXIT
- PATH OF TRAVEL TO EXIT
- DEAD END

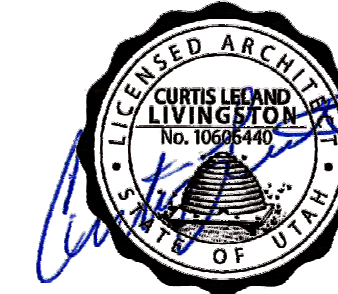
### NOTE:

2-HR SEPARATION WALLS SHALL CONSIST OF MASONRY, FIRE RATED DOORS, SMOKE AND FIRE DAMPERS AND ALL OTHER REQUIRED ELEMENTS TO CREATE A COMPLETED FIRE ASSEMBLY.

### GENERAL NOTES

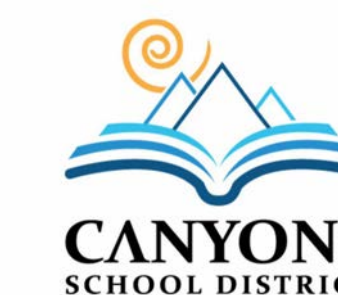
- SEE SHEET G001 FOR ALL RELATED CODE COMPLIANCE INFORMATION.
- FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH PRE-FORMED MINERAL WOOL OR SOLID GROUT. SEE WALL TYPES AND SECTIONS FOR TYPICAL DETAILS.
- THIS PROJECT SHALL BE INSTALLED ACCORDING TO THE LATEST EDITION OF THE FOLLOWING STANDARDS AND AMENDMENTS TO THEM AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION:
  - IBC (International Building Code)
  - NEC (National Electrical Code)
  - NFPA (National Fire Protection Association)
  - UL (Underwriters Laboratories, Inc.)
  - NEMA (National Electrical Manufacturer's Association)
  - IFC (International Fire Code)
  - IECC (International Energy Conservation Code)
  - IEC (International Electrical Code)
  - State and Local Building Authority and Code
- REFER TO SPECIFICATION SECTION 078413-7 THRU 078413-10 FOR PENETRATION AND FIRE STOPPING REQUIREMENTS.

### PROFESSIONAL STAMP



### CONSULTANT INFORMATION

### OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

### REVISIONS

DESCRIPTION	DATE

### PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

### DRAWING SET STATUS

### BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

### SHEET TITLE

### CODE COMPLIANCE PLAN

### SHEET NUMBER

A900

### LEVEL 1 LIFE SAFETY PLAN - ALTERNATIVE

A900 | SCALE: 3/32" = 1'-0"

### LEVEL 2 LIFE SAFETY PLAN - ALTERNATIVE

A900 | SCALE: 3/32" = 1'-0"



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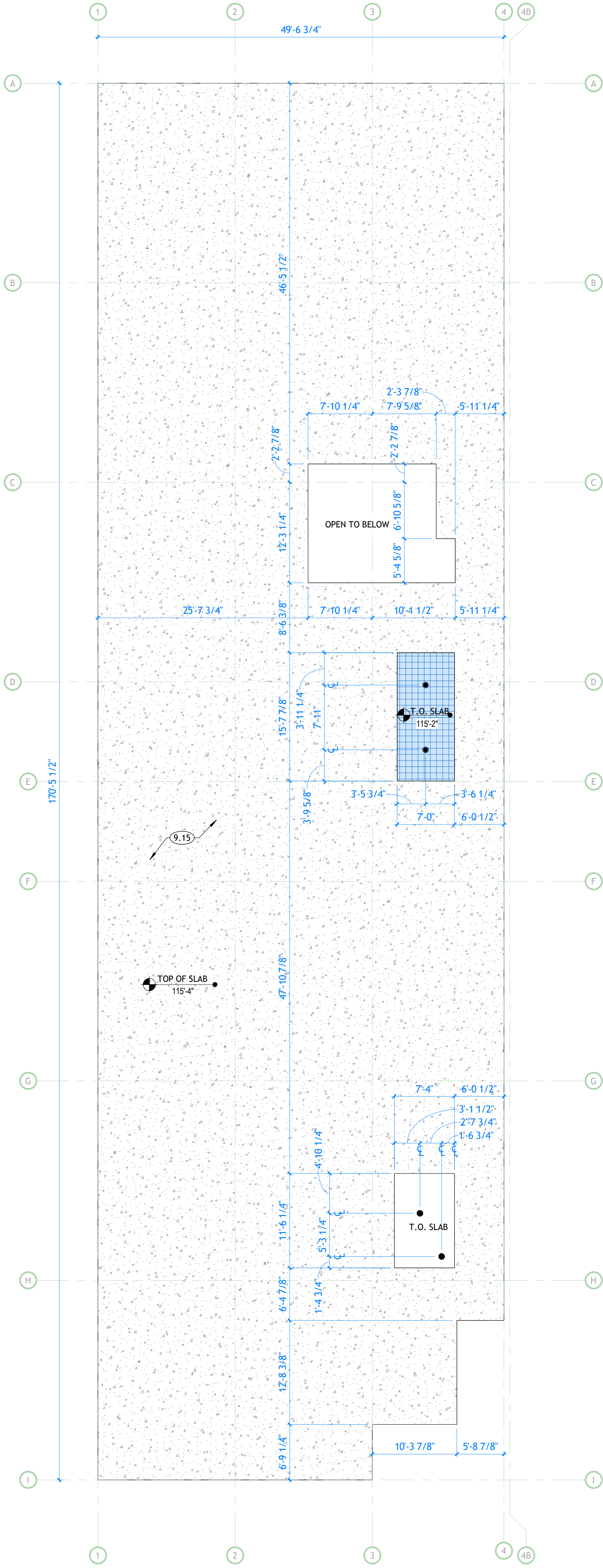
A

B

C

D

E



KEYNOTES

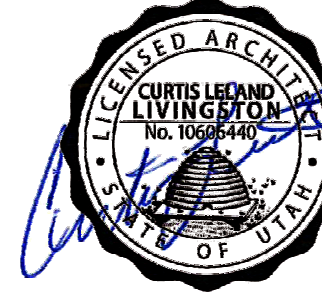
9.15 CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

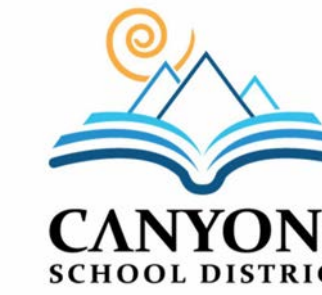
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

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DRAWING SET STATUS

BID SET

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SHEET TITLE

ALTERNATE -  
SLAB PLAN

SHEET NUMBER

A905

RECESSED SLAB LEGEND

2" RECESS FOR CERAMIC TILE

NOTE:

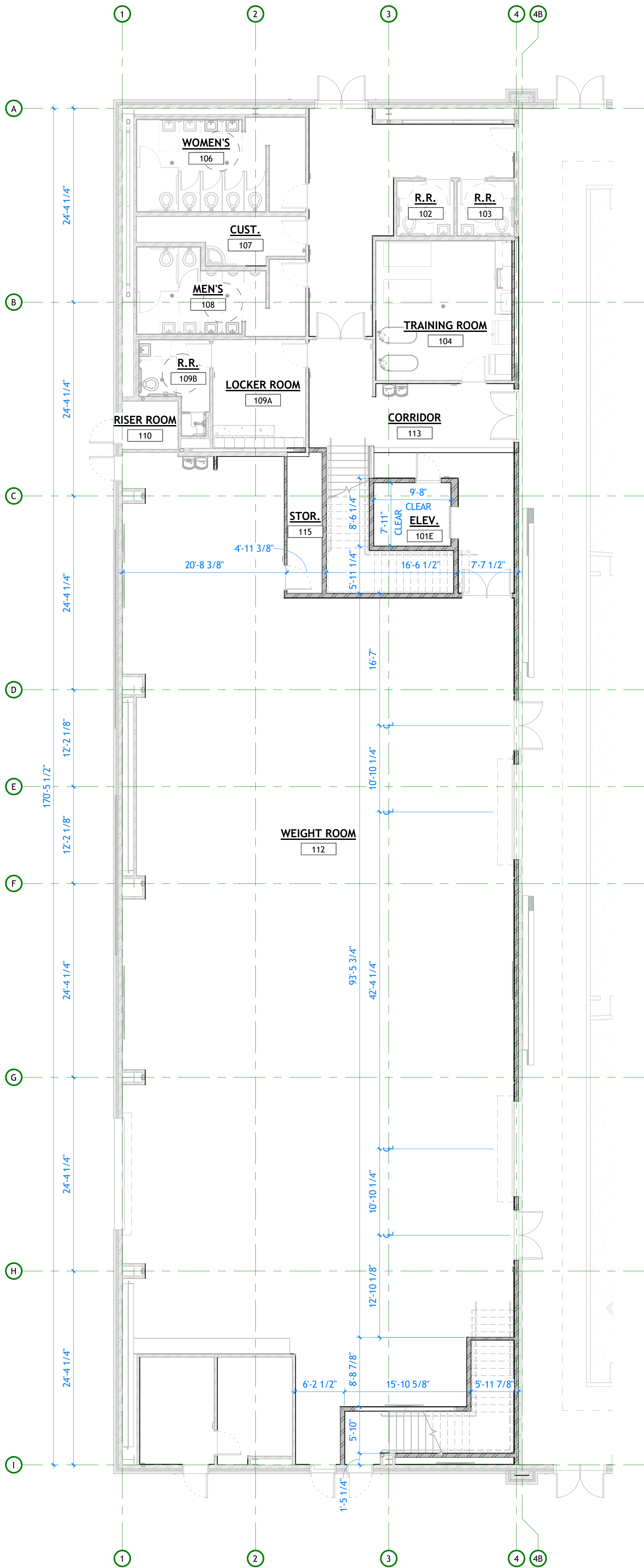
CONTRACTOR SHALL COORDINATE DIMENSIONS ON THESE PLANS WITH FLOOR PLAN DIMENSIONS AND WALL TYPES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO POURING SLABS OR FOUNDATIONS

GENERAL NOTES

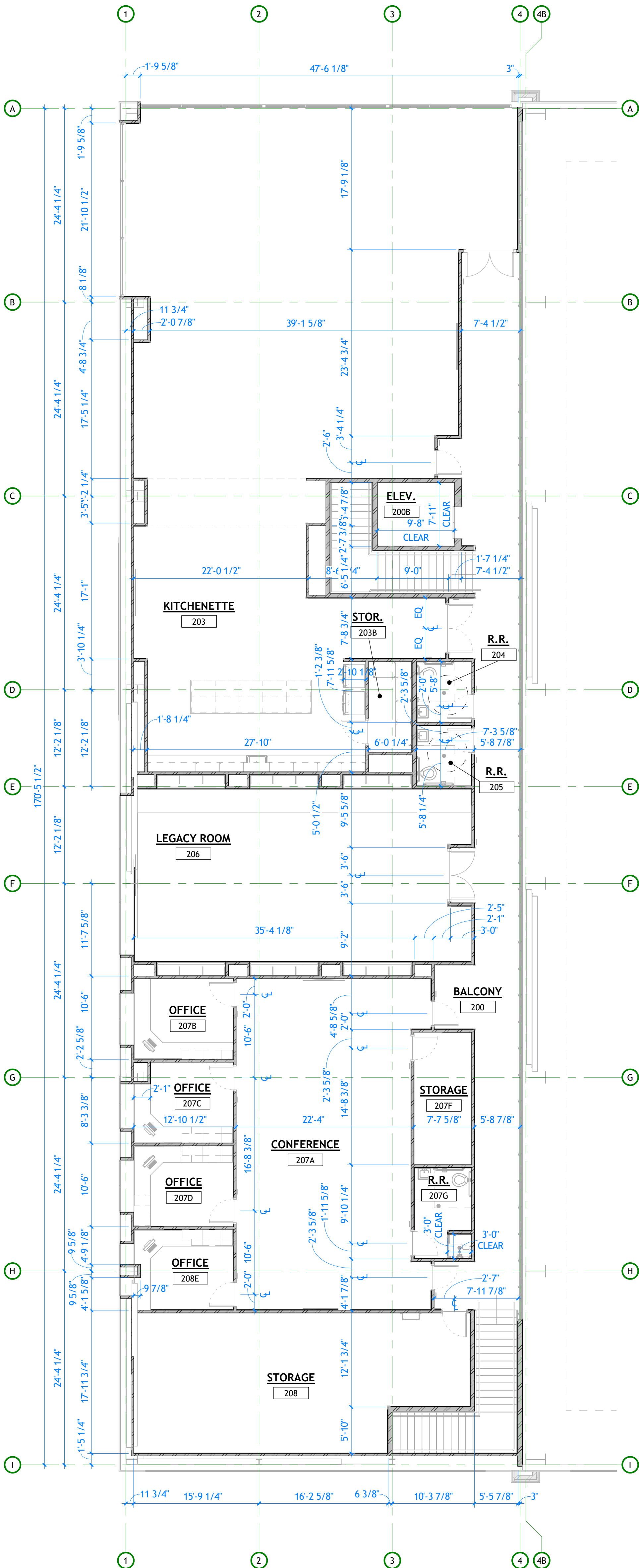
- UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE TO THE FACE OF FOUNDATION WALL OR STRUCTURAL SLAB.
- SEE PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
- RECOMMENDATIONS FOUND IN GEOTECHNICAL STUDY ARE TO BE FOLLOWED STRICTLY.
- SEE STRUCTURAL SHEETS FOR FOUNDATION AND SLAB SIZES AND REINFORCING.
- SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.



A  
B  
C  
D  
E



FLOOR PLAN - DIMENSION MAIN FLOOR PLAN - ALTERNATIVE  
A910 | SCALE: 1/8" = 1'-0"



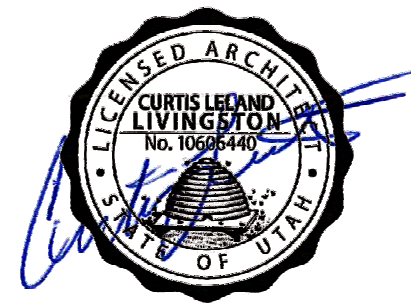
FLOOR PLAN - DIMENSION UPPER FLOOR PLAN - ALTERNATIVE  
A910 | SCALE: 1/8" = 1'-0"

KEYNOTES

GENERAL NOTES

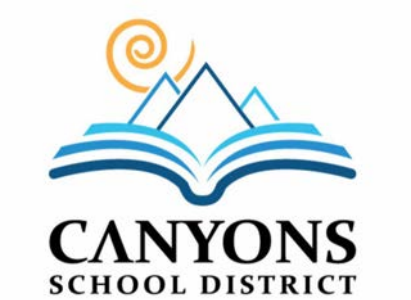
- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT FULL SIDE OF ALL DOORS.
- UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
  - MASONRY WALLS: OUTSIDE OF FRAME 6" FROM FACE OF WALL (ON BLOCK MODULE).
  - FRAMED WALLS: INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER WPA 13.
- SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
- SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
- SEE A400 SHEETS FOR DOOR AND WINDOW INFORMATION.
- GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
- SEE G500 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
- SEE A110 FOR WALL TYPES.
- PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
- TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
- SEE STRUCTURAL DRAWINGS FOR LOCATION OF DERESSED SLABS.
- PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
- ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
- EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
- FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIRE DAM SPRAY INSULATION. SEE SPICES.
- FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.
- DO NOT SCALE DRAWINGS.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS	
Δ DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS	
BID SET	

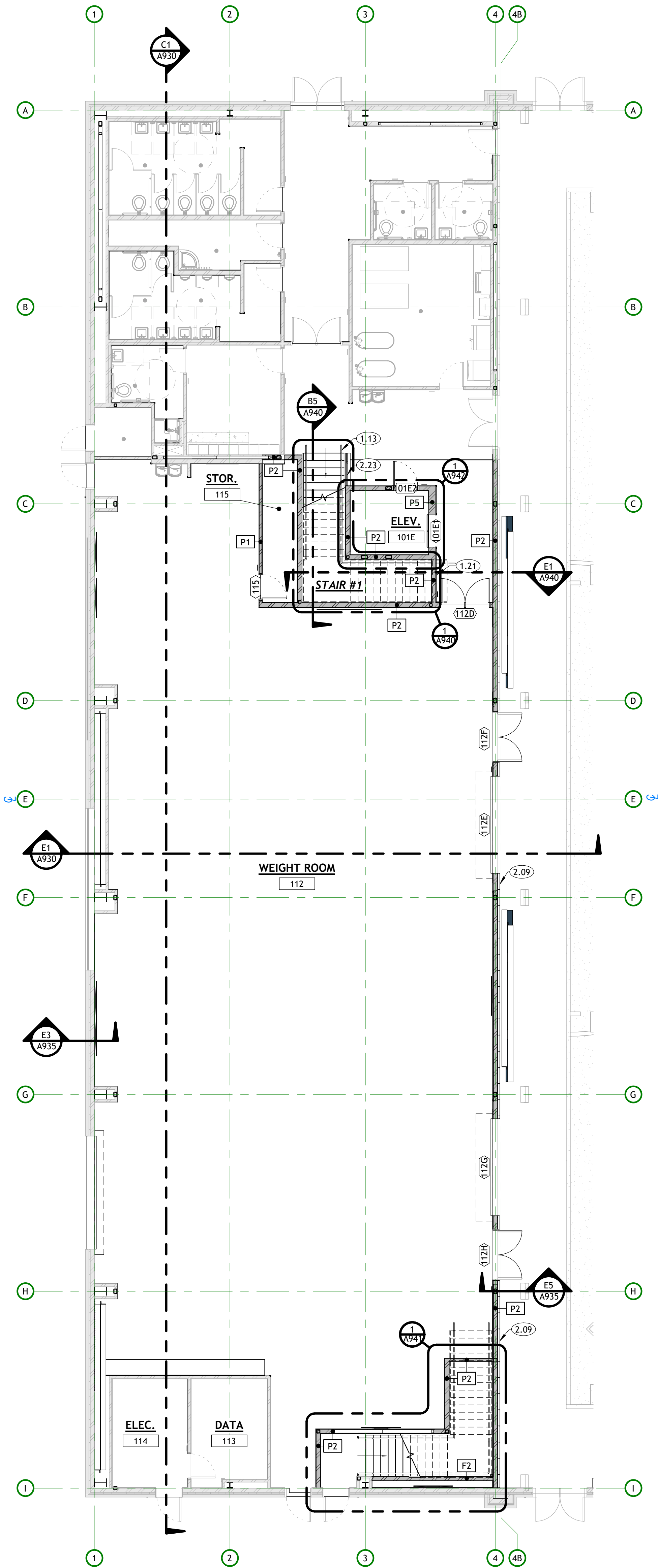
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SHEET TITLE

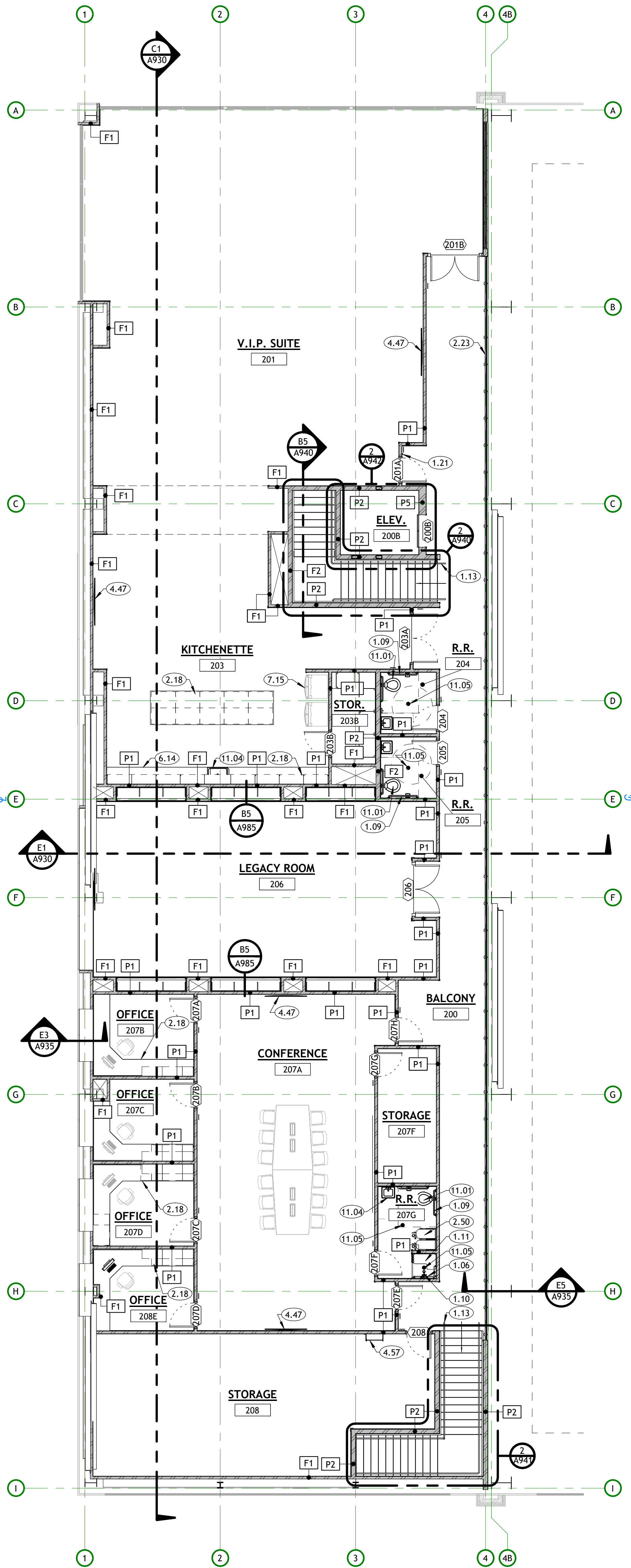
ALTERNATE - OVERALL DIMENSION PLAN

SHEET NUMBER  
A910





FLOOR PLAN - OVERALL MAIN FLOOR PLAN - ALTERNATIVE  
A911 | SCALE: 1/8" = 1'-0"



FLOOR PLAN - OVERALL UPPER MAIN FLOOR PLAN - ALTERNATIVE  
A911 | SCALE: 1/8" = 1'-0"

KEYNOTES

- 1.06 ADA COMPLIANT 36" HORIZONTAL GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
- 1.09 ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
- 1.10 ADA COMPLIANT SHOWER HEAD AND CONTROLS. SEE DETAILS AND SPECIFICATIONS.
- 1.11 ADA COMPLIANT FOLD-UP SHOWER SEAT AND SHOWER GRAB BARS. SEE DETAILS AND SPECIFICATIONS.
- 1.13 ADA COMPLIANT HANDRAIL 36" ABOVE FINISHED FLOOR. SEE RAILING DETAILS.
- 1.21 DIGITAL CARD READER. SEE SPECIFICATIONS.
- 2.09 6'-0" TALL ATHLETIC WALL PAD. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
- 2.18 ARCHITECTURAL MILLWORK. SEE FURNISHING PLANS, INTERIOR ELEVATIONS AND SPECIFICATIONS.
- 2.23 PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
- 2.50 METAL GRID TEAM LOCKERS. SEE SPECIFICATIONS.
- 4.47 TELEVISION (CPC). CONTRACTOR TO PROVIDE BACKING NEEDED FOR MOUNTING AND TO ROUGH IN POWER AND DATA FOR TELEVISION. SEE ELECTRICAL FOR POWER AND DATA LOCATIONS.
- 4.57 ALTERNATE STEEL ACCESS LADDER SEE DETAILS.
- 6.14 REFRIGERATOR WITH FREEZER (N.I.C.)
- 7.15 TOILET. SEE PLUMBING.
- 11.01 SINK. SEE PLUMBING.
- 11.04 FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.
- 11.05

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
  - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE).
  - FRAMED WALLS- INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- F. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
- G. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- H. SEE INTERIOR ELEVATIONS ON A850 SHEETS AND MILLWORK DETAILS ON A550 SHEETS FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS. SEE A120 SHEETS FOR REFLECTED CEILING PLAN INFORMATION.
- I. SEE A800 SHEETS, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
- J. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
- K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
- M. SEE G000 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
- N. SEE A110 FOR WALL TYPES.
- O. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
- P. TILE IS TO BE SET OVER CEMENTITIOUS BACKER BOARD UNDERLAYMENT. RECESS SLAB AS IF REQUIRED. VERIFY WITH OWNER.
- Q. SEE STRUCTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS.
- R. PROVIDE 1" RADIUS BULLNOSE AT ALL MASONRY WALL CORNERS. BASE COURSE OF MASONRY TO REMAIN SQUARE FOR WALL BASE INSTALLATION.
- S. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
- T. EXTEND ALL WALLS TO UNDERSIDE OF DECK ABOVE UNLESS OTHERWISE NOTED. CONTRACTORS OPTION TO FILL METAL DECK VOIDS WITH MINERAL WOOL INSULATION OR FIELD CUT GYP. BOARD INTO FLUTES. INCLUDING MASONRY WALLS. REFER TO STRUCTURAL SHEETS FOR EXACT LOCATIONS OF BEARING WALLS.
- U. FILL VOIDS BETWEEN SEPARATION WALLS AND ROOF DECK WITH FIREDRAM SPRAY INSULATION. SEE SPECS.
- V. FOR ALL METAL STUD WALLS THAT EXTEND TO BOTTOM OF ROOF DECK & WHERE METAL STUD WALLS CUT PERPENDICULAR THROUGH ROOF TRUSSES, SEE DETAILS.
- W. DO NOT SCALE DRAWINGS.

WALL TYPE LEGEND

F1	PLAN VIEW	WALL TYPE F1
F2	PLAN VIEW	WALL TYPE F2
P1	PLAN VIEW	WALL TYPE P1
P2	PLAN VIEW	WALL TYPE P2
P5	PLAN VIEW	WALL TYPE P5

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS	
BID SET	

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE - OVERALL FLOOR PLANS

SHEET NUMBER  
A911



PROJECT TITLE AND ADDRESS

**CCHS FIELDHOUSE & SOCCER FIELD**

PROJECT TITLE AND ADDRESS

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

[illegible]

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 20  
PROJECT #: 24-0  
PM / PA: K.  
PIC: C

### DRAWING SET STATUS

**BID SET**

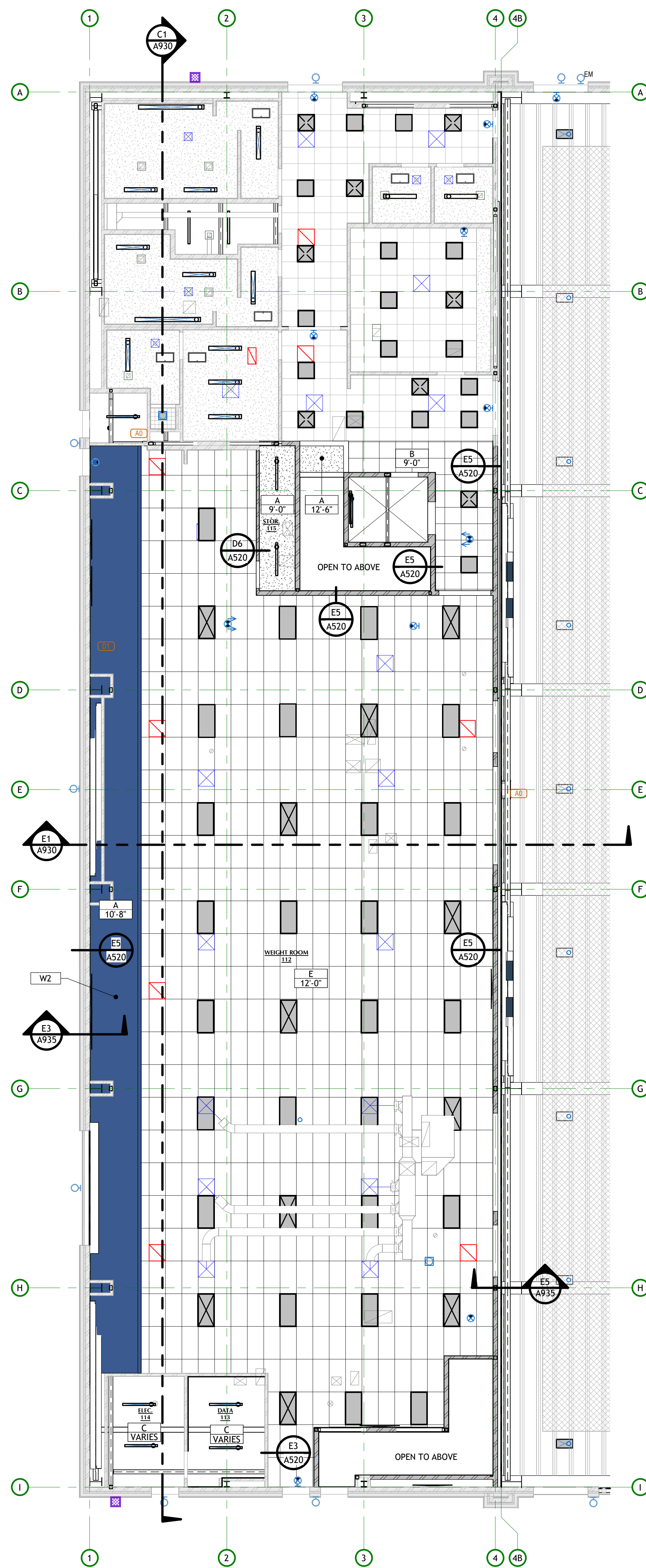
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TO BE PRINTED IN COLOR

SHEET TITLE

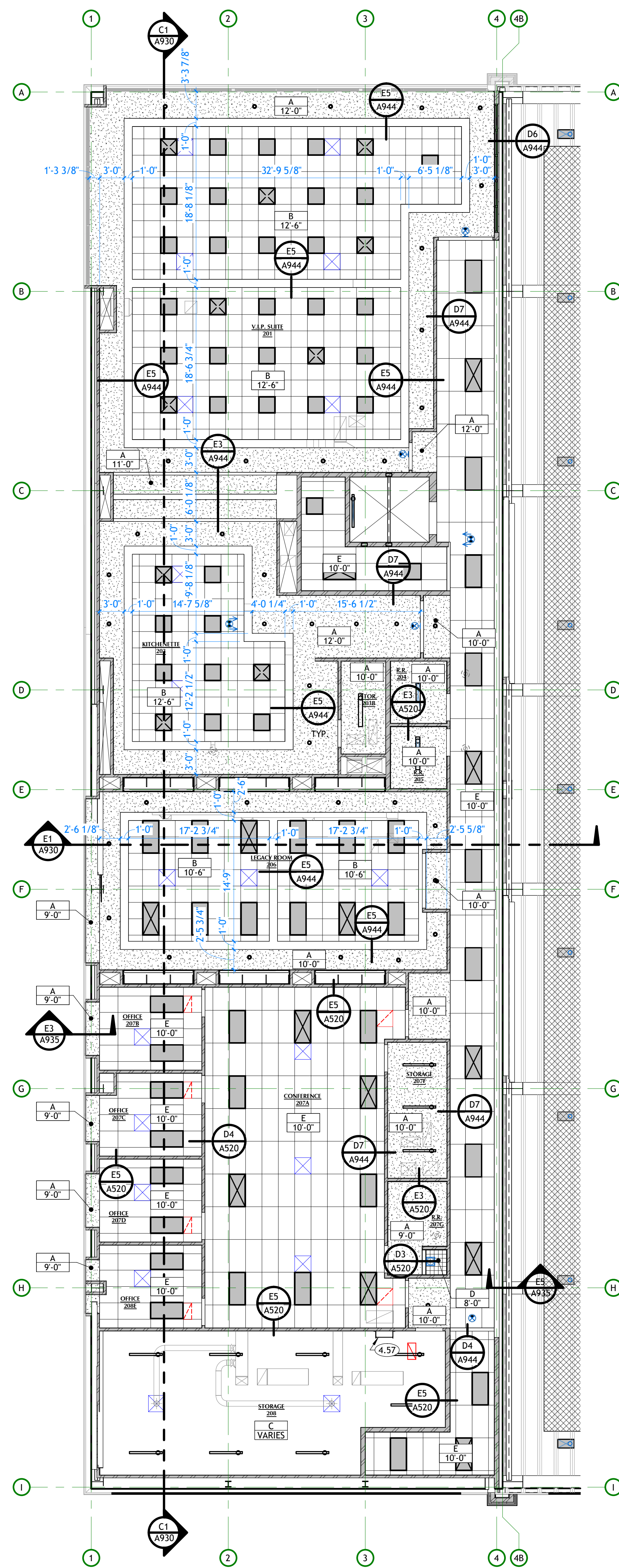
## ALTERNATE - REFLECTED CEILING PLANS

SHEET NUMBER

A912


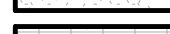





 **F.H. REFLECTED CEILING PLAN - LEVEL 1 - ALTERNATIVE**  
A912 | SCALE: 1/8" = 1'-0"



 **F.H. REFLECTED CEILING PLAN - LEVEL 2 - ALTERNATIVE**  
A912 | SCALE: 1/8" = 1'-0"

**CEILING LEGEND**

A		PAINTED 5/8" TYPE "X" GYPSUM BOARD.
B		2x2 SUSPENDED CEILING SYSTEM WITH GRID.
C		FIELD PAINTED EXPOSED DECK, DUCTWORK, PIPING, CONDUITS, ETC. ACCENT PAINTED STEEL STRUCTURE., SEE SPECIFICATIONS
D		CERAMIC TILE
E		2x4 SUSPENDED CEILING SYSTEM WITH GRID.

## GENERAL NOTES

- A. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
- B. CEILING SPRINKLER SHALL BE SPACED AS PER REQUIREMENTS.
- C. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
- D. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH CEILING.
- E. WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
- F. ELECTRICAL PANELS TO BE CENTERED ON CEILING TILES.
- G. PAINT UNDOUBTED OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
- H. PAINT ALL EXPOSED STEEL, JOISTS, DECK, MECHANICAL DUCTWORK, CONDUIT, AND PIPING. ETC. BETWEEN AND ABOVE SUSPENDED ACOUSTICAL CEILING PANELS TYPICAL.
- I. ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDENT OF CEILING SUPPORT SYSTEM, TO STRUCTURE ABOVE.
- J. ALL LIGHT SYSTEMS SHALL BE BRACED AS PER LOCAL BUILDING CODE AND DETAILS.



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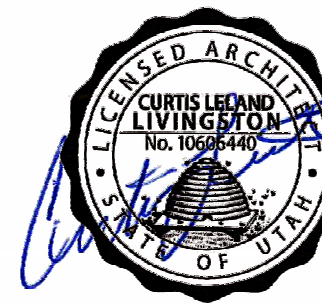
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KEYNOTES

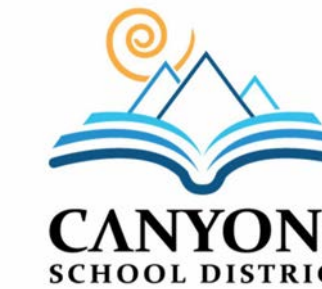
- 2.03 WINDOW. SEE WINDOW TYPES AND SCHEDULE.  
2.11 SUSPENDED CEILING SYSTEM. SEE REFLECTED CEILING PLAN FOR TYPE.  
2.23 PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.  
2.86 MOTORIZED, SUSPENDED BATTING CAGE NETS, SEE SPECS.  
2.87 BASE BID ROOF PARAPET ACCESS LADDER LOCATION. SEE DETAILS AND SPECIFICATIONS.  
3.34 NEW INDOOR ARTIFICIAL TURF, (NICO, TURF SUPPLIER TO COORDINATE ALL REQUIRED GAME LINES, MARKINGS, COLORS, LOGOS, ETC. WITH OWNER AND ARCHITECT.  
4.56 ALTERNATE ROOF HATCH LOCATION WITH INSULATED CURBS AND ACCESS LADDER BELOW. SEE ROOF PLANS AND SPECIFICATIONS. COORDINATE WITH MECHANICAL. PATCH AND REPAIR BASE BID ROOF HATCH LOCATION.  
4.57 ALTERNATE STEEL ACCESS LADDER SEE DETAILS.  
5.01 SINGLE-PLY MEMBRANE ROOFING SYSTEM. SEE SPECIFICATIONS.  
5.05 PRE-FINISHED METAL PARAPET WALL CAP WITH DRIP EDGE.  
5.38 PRIMARY AND OVERFLOW ROOF DRAIN (TYP.) - SEE MECHANICAL.  
8.03 CONCRETE SIDEWALK. SEE CIVIL.  
9.01 CONCRETE FOUNDATION WALL. SEE STRUCTURAL FOR SIZE AND REINFORCING.  
9.02 CONCRETE FOOTING. SEE STRUCTURAL FOR SIZE AND REINFORCING.  
9.04 CONCRETE SLAB OVER FREE DRAINING GRAVEL. SEE STRUCTURAL SHEETS.  
9.14 PAINTED EXPOSED STRUCTURAL STEEL. SEE STRUCTURAL FOR CONNECTION REQUIREMENTS.  
9.15 CONCRETE OVER METAL DECK. SEE STRUCTURAL FOR SIZE AND REINFORCEMENT.  
9.37 CONCRETE GRADE BEAMS. SEE STRUCTURAL FOR SIZE AND REINFORCING.  
10.04 DUCTWORK. COORDINATE WITH STRUCTURAL JOISTS TO AVOID CONFLICT WITH TRUNKS. SEE MECHANICAL.  
10.08 MECHANICAL EQUIPMENT. SEE MECHANICAL.  
10.19 ROOF MOUNTED MECHANICAL UNIT. SEE MECHANICAL.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

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PIC: CLL

DRAWING SET STATUS

BID SET

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SHEET TITLE

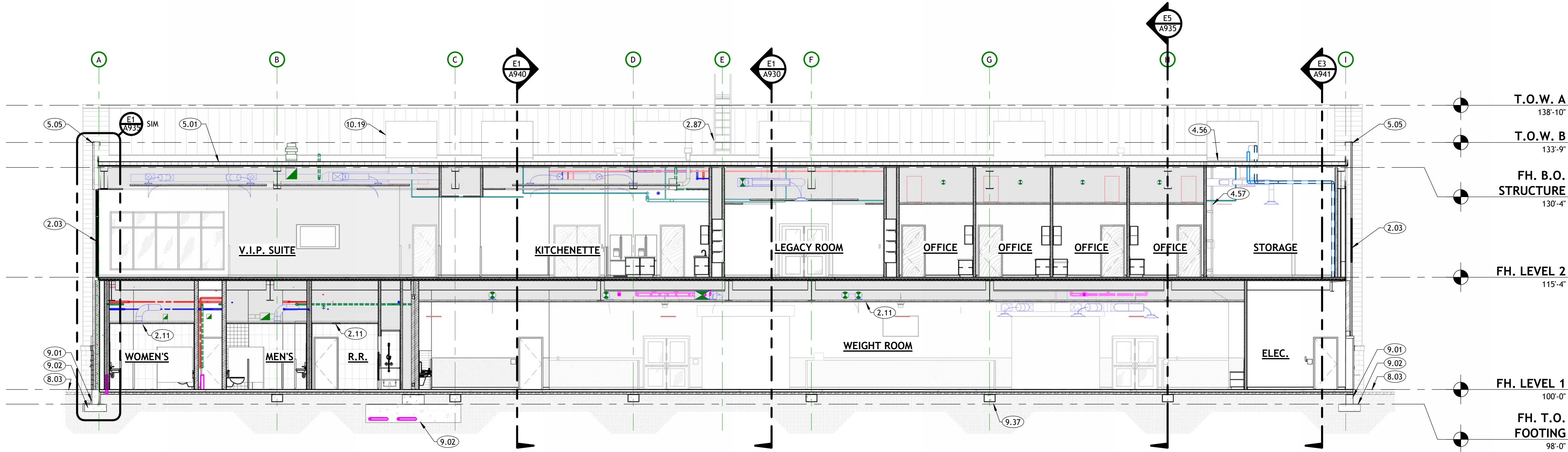
ALTERNATE -  
BUILDING  
SECTIONS

SHEET NUMBER

A930

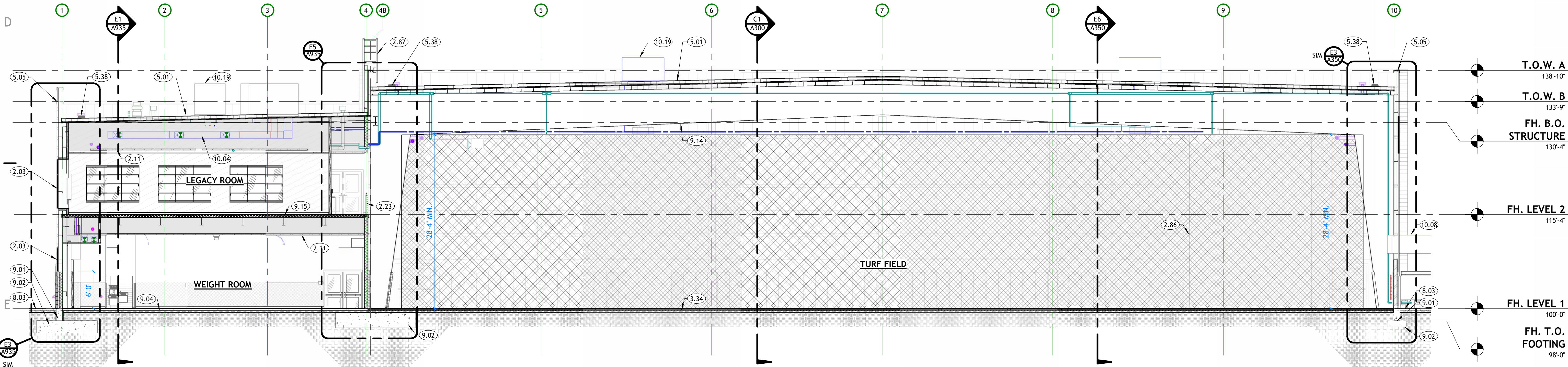
B

C



**C1** BUILDING SECTION - ALTERNATIVE 2  
A930 | SCALE: 1/8" = 1'-0"

D



GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.  
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.  
C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.  
D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.  
E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.  
F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.  
G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.  
H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.  
I. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.  
J. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.  
K. REFER TO FURNISHING PLANS FOR FLOOR FINISH.

**BUILDING SECTION - ALTERNATIVE 1**  
A930 | SCALE: 1/8" = 1'-0"



DRAPER, UTAH 84020

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PA:	KJM
	CLL

T TITLE

## 935

GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.

1. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.

2. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BUTYRADUR DAMP PROOFING SYSTEM.

3. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.

4. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.

5. INSULATE ENTIRE ROOF WITH R-30 POLYSTYROFOUR INSULATION.

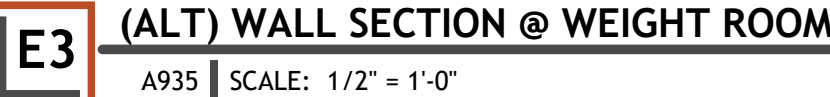
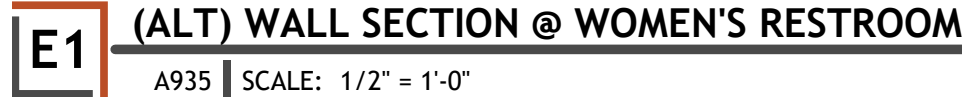
6. EXPOSED FOUNDATIONAL WALLS TO RECEIVE RUBBERED FINISH.

7. USE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.

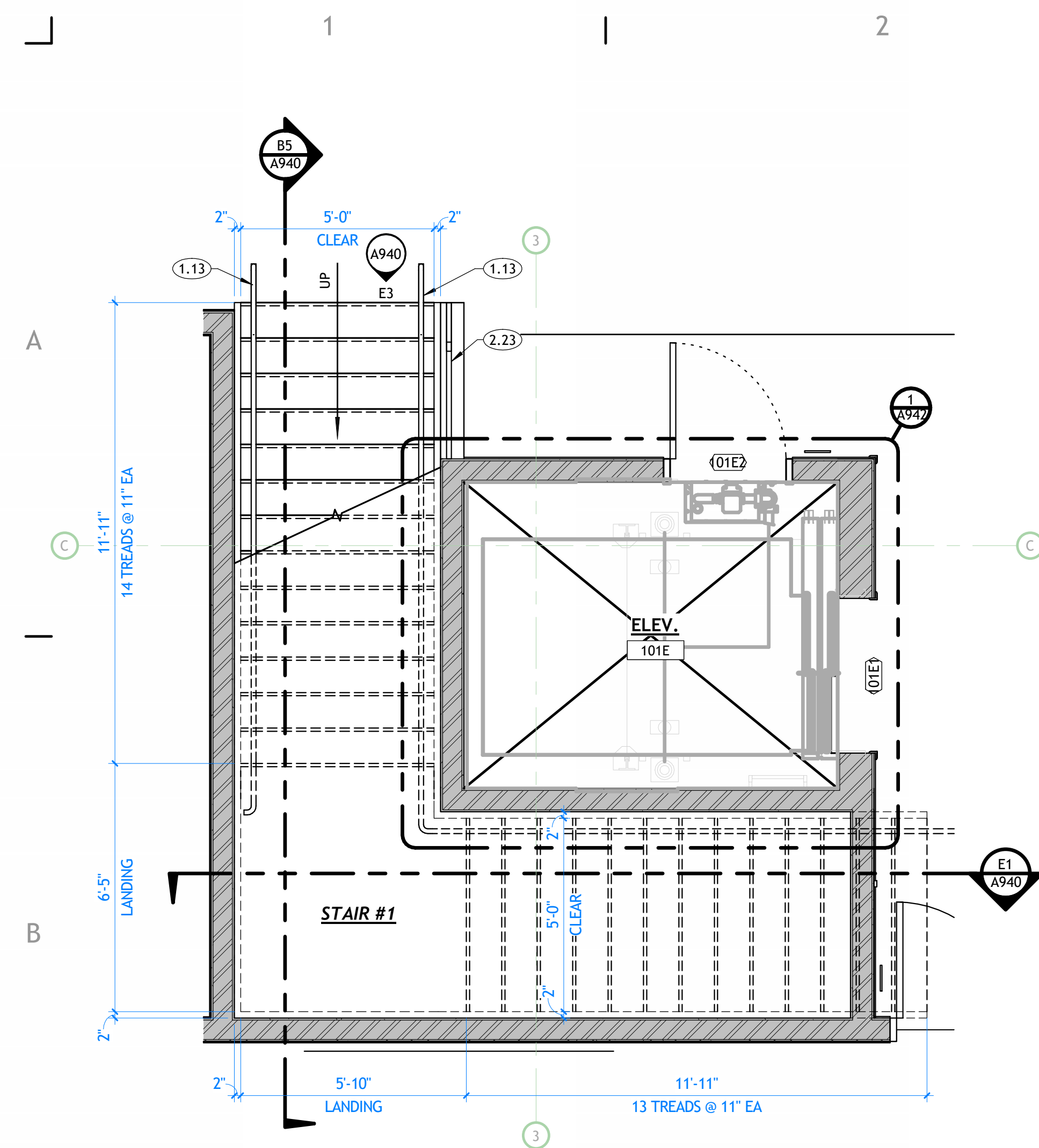
8. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.

9. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR FURTHER CLARITY.

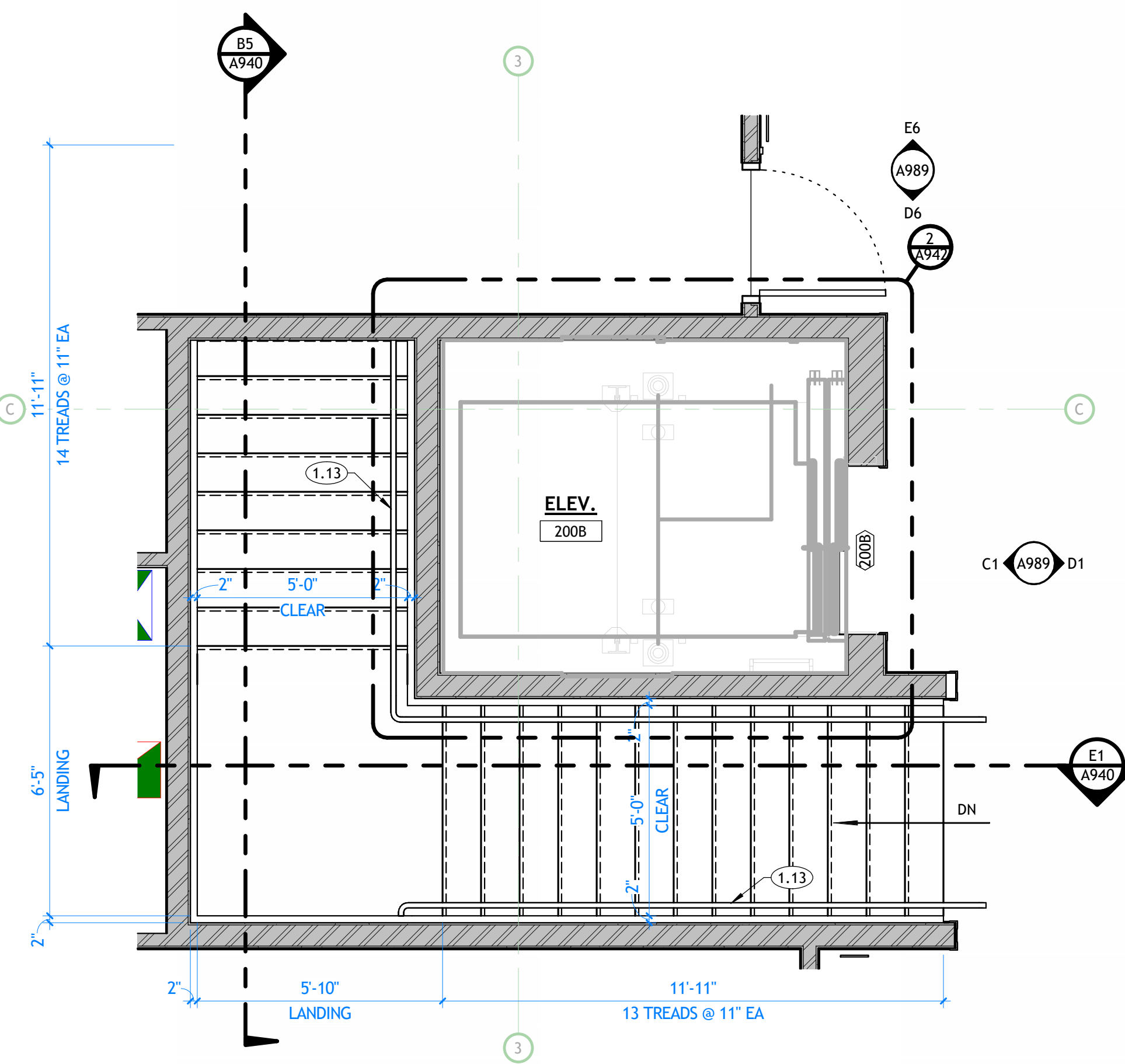
10. REFER TO FINISHING PLANS FOR FLOOR FINISH.



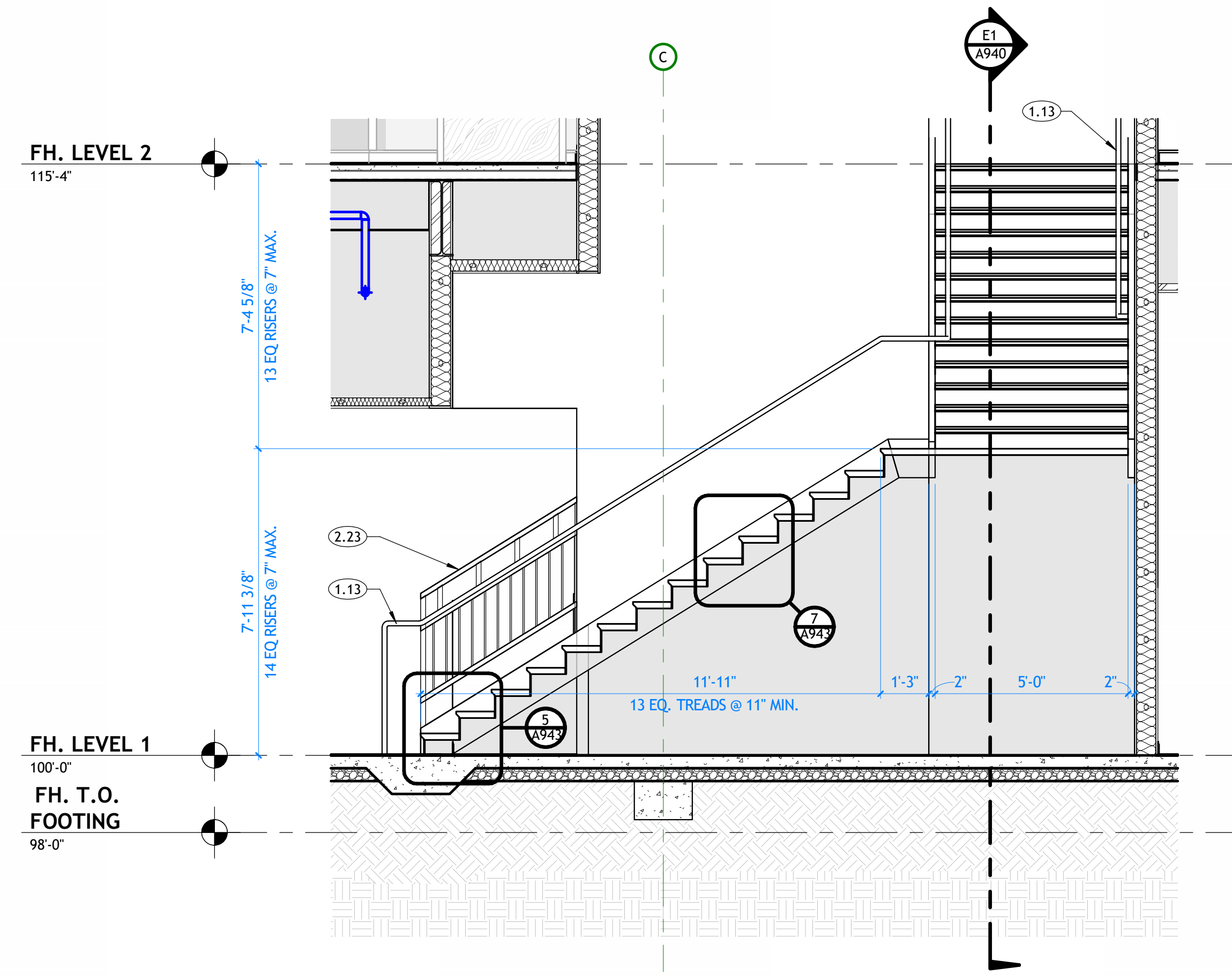




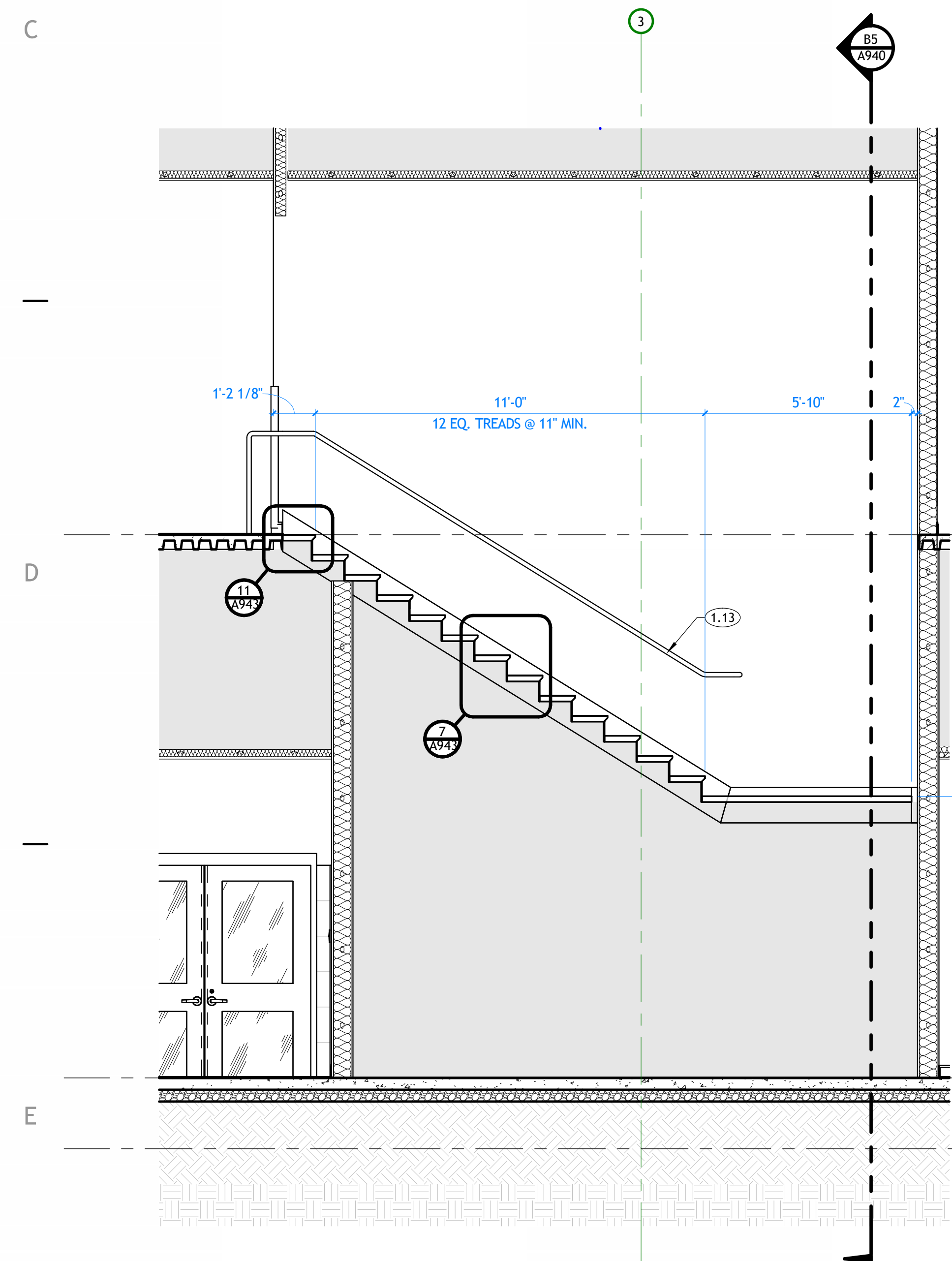
**STAIR #1 - MAIN FLOOR PLAN**  
A940 | SCALE: 3/8" = 1'-0"



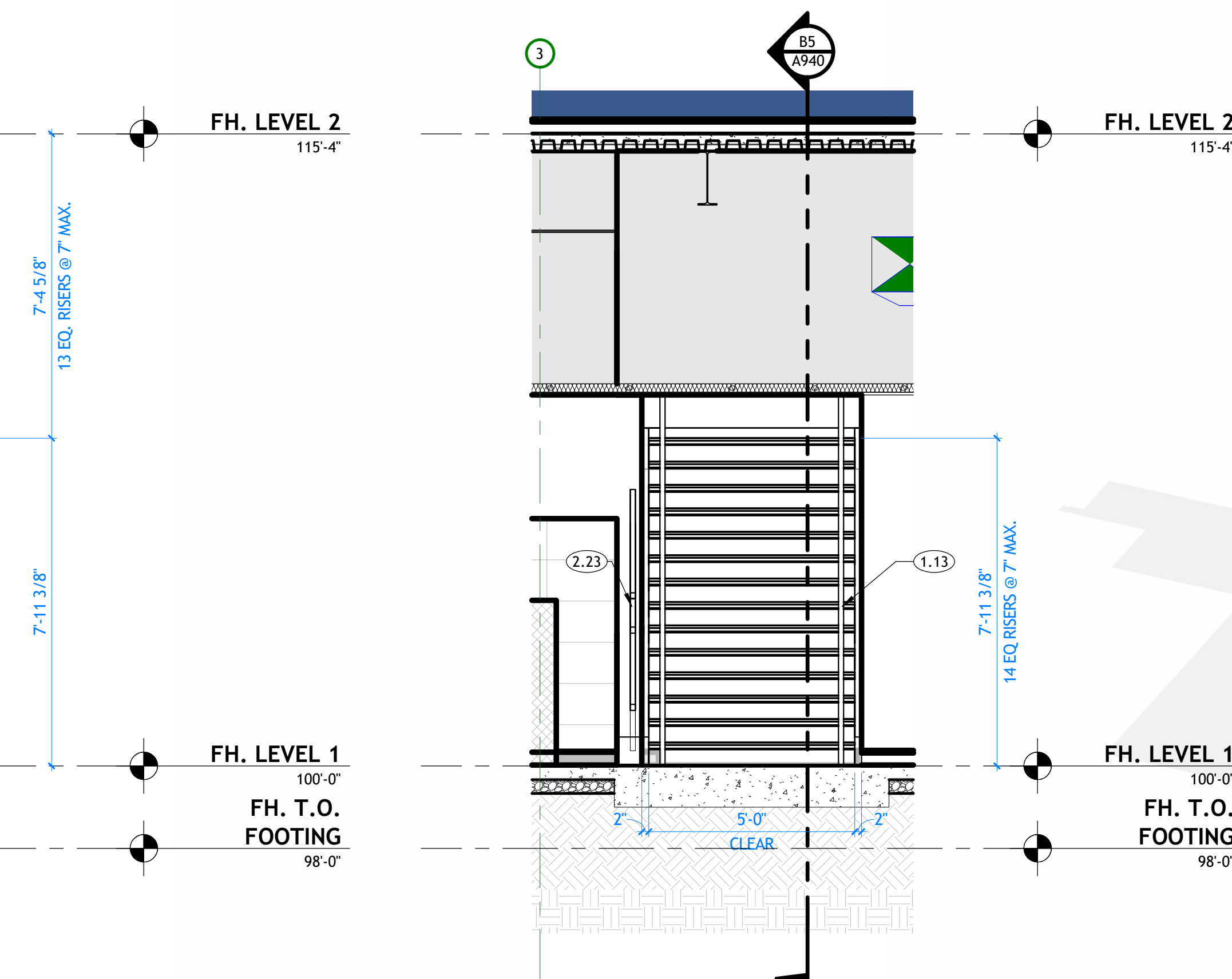
**STAIR #1 - UPPER FLOOR PLAN**  
A940 | SCALE: 3/8" = 1'-0"



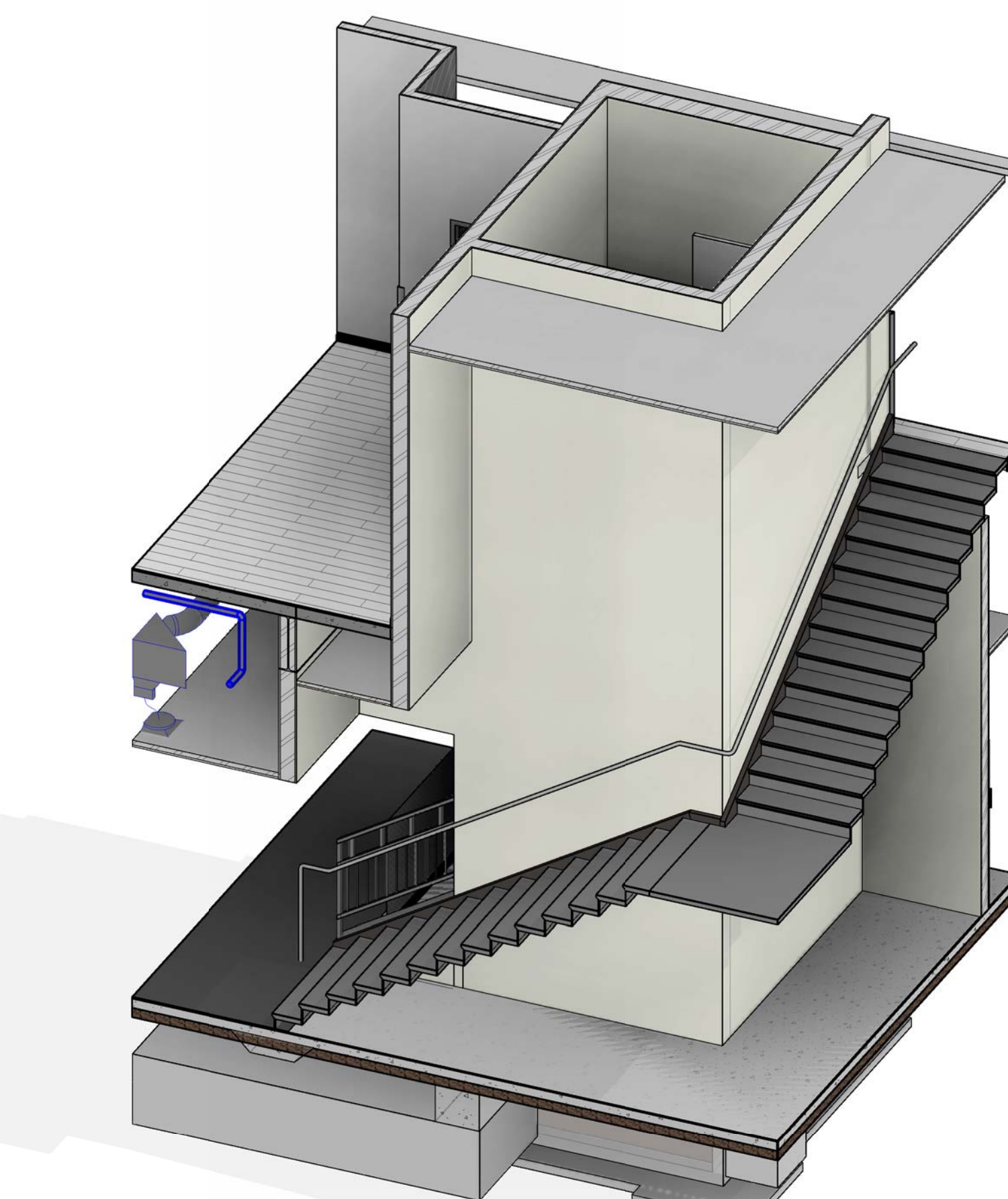
**B5** STAIR #1 - SECTION A  
A940 SCALE: 3/8" = 1'-0"



**E1** STAIR #1 - SECTION B  
A940 SCALE: 3/8" = 1'-0"



**E3** STAIR #1 - ELEVATION A  
A940 SCALE: 3/8" = 1'-0"



**E5** STAIR #1 PERSPECTIVE  
A940 SCALE:

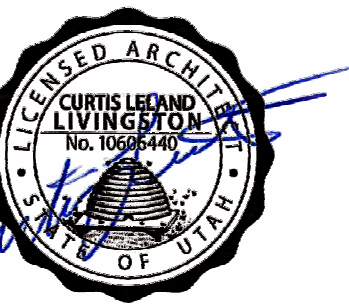
## KEYNOTES

- 1.13 ADA COMPLIANT HANDRAIL 36" ABOVE FINISHED FLOOR. SEE RAILING DETAILS.
- 2.23 PAINTED STEEL GUARDRAIL, 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.



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CONSULTANT INFORMATION

### OWNER INFORMATION



## CCHS FIELDHOUSE & SOCCER FIELD

DRAPER, UTAH 84020

[illegible]

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
WM / PA:	KJM
CLIC:	CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

**SHEET TITLE**

## STAIR #1 - PLAN AND SECTIONS

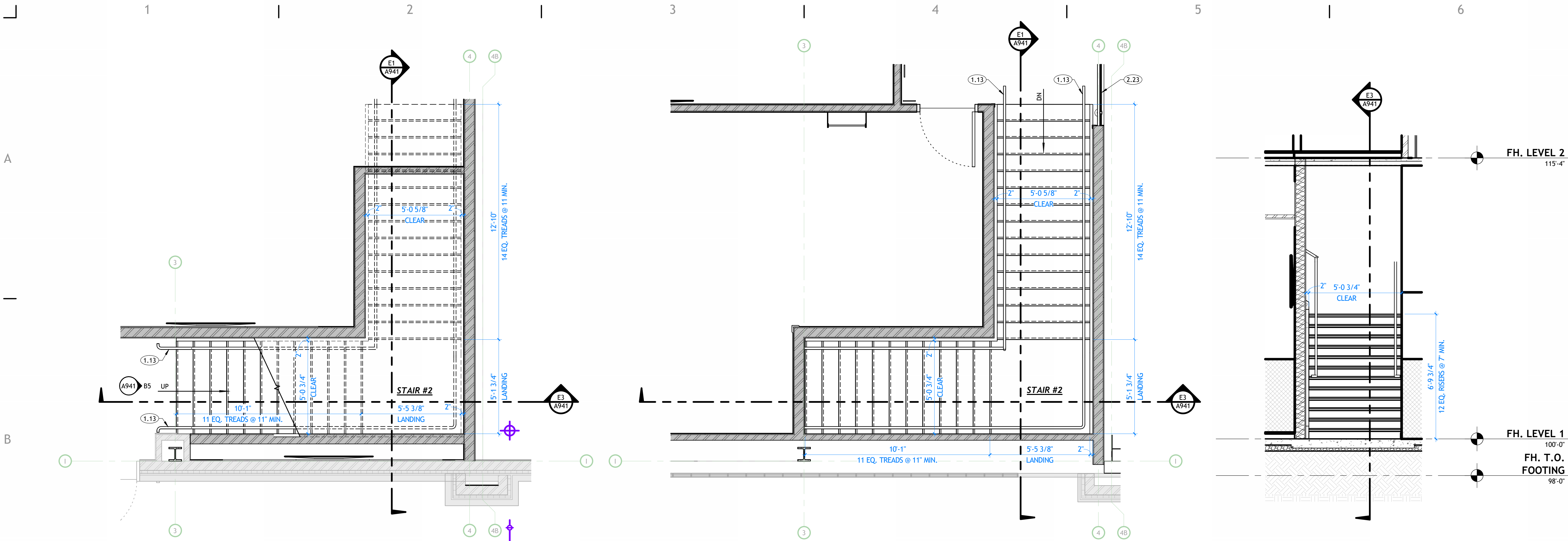
SHEET NUMBER

A940

### GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
- C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS FLAME PROTECTANT SYSTEM.
- D. MINIMUM ROOF CLASSIFICATION TO BE CLASS "C" AS NOTED ON THE CODE ANALYSIS
- E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
- F. INSULATE ENTIRE ROOF TO R-30 POLYISOCYANURATE ABOVE ROOF DECKING.
- G. EXPOSE FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
- H. SEE ENGINEERING SHEET FOR ADDITIONAL INFORMATION.
- I. MASONRY TO HAVE CONTROL JOINTS AT 3' O.C. MAXIMUM.
- J. COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES WITH THE OWNER PRIOR TO CONSTRUCTION BEGINNING.
- K. PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
- L. WALL TYPES ARE ON SHEET 1110.
- M. SEE A212 SHEETS FOR REFLECTED CEILING PLANS.
- N. SEE A200 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
- O. ALL STEEL STRIP COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
- P. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET ALL REQUIREMENTS.
- Q. PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY TO PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS.
- R. FASTEN FRAMED WALLS TO CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.

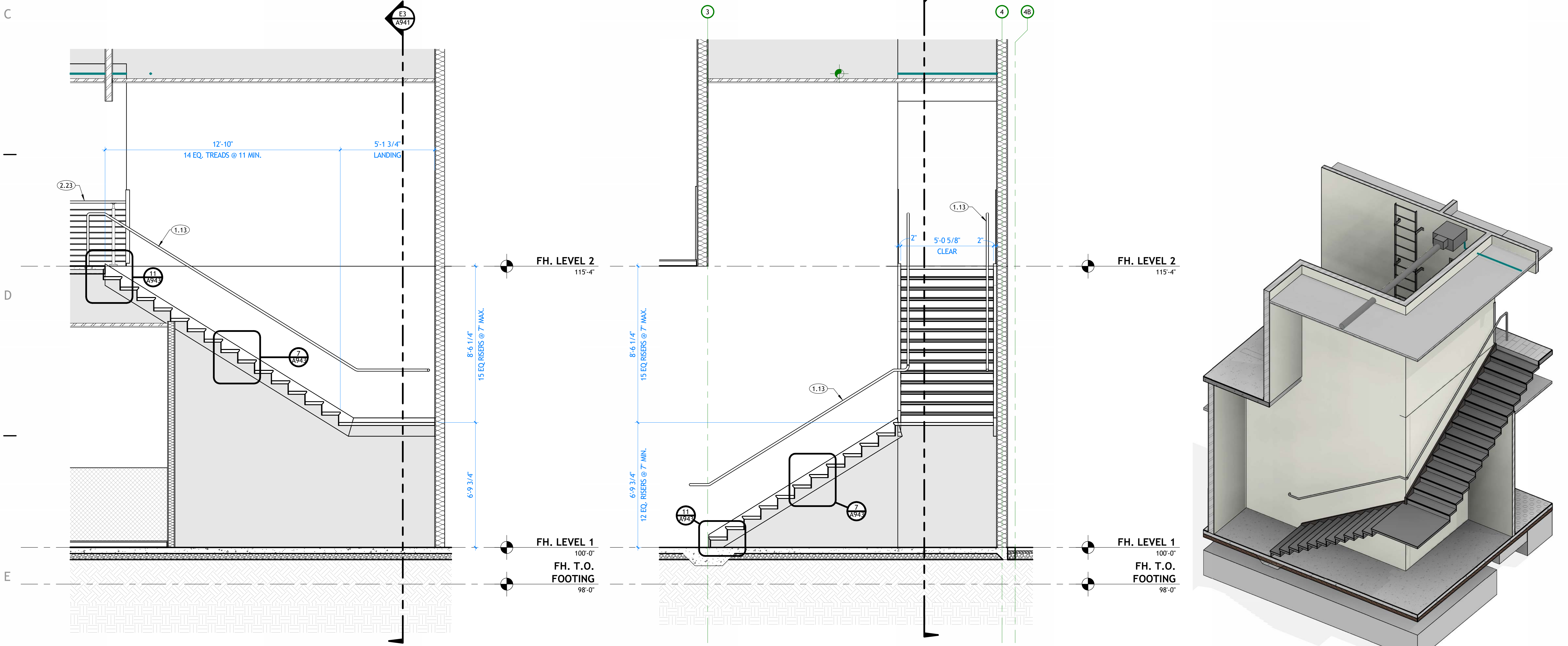




**STAIR #2 - MAIN FLOOR PLAN**  
A941 | SCALE: 3/8" = 1'-0"

**STAIR #2 - UPPER FLOOR PLAN**  
A941 | SCALE: 3/8" = 1'-0"

**B5 STAIR #2 - ELEVATION B**  
A941 | SCALE: 3/8" = 1'-0"



**E1 STAIR #2 - SECTION A**  
A941 | SCALE: 3/8" = 1'-0"

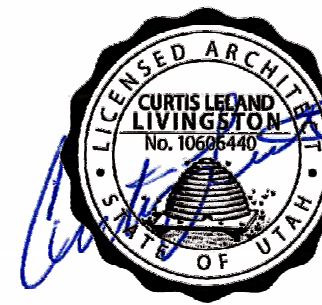
**E3 STAIR #2 - SECTION B**  
A941 | SCALE: 3/8" = 1'-0"

**E5 STAIR #2 PERSPECTIVE**  
A941 | SCALE:

**KEYNOTES**

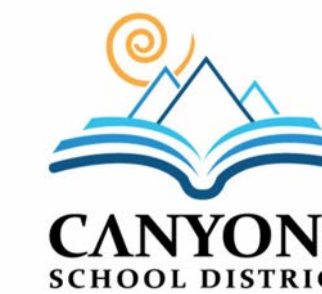
- 1.13 ADA COMPLIANT HANDRAIL 36" ABOVE FINISHED FLOOR. SEE RAILING DETAILS.
- 2.23 PAINTED STEEL GUARDRAIL, 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.

**PROFESSIONAL STAMP**



**CONSULTANT INFORMATION**

**OWNER INFORMATION**



**PROJECT TITLE AND ADDRESS**  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

**REVISIONS**

DESCRIPTION	DATE

**PROJECT INFORMATION**

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

**SHEET TITLE**

**STAIR #2 -  
PLAN AND  
SECTIONS**

**SHEET NUMBER**

**A941**

**GENERAL NOTES**

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- AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
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- MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C' AS NOTED ON THE CODE ANALYSIS.
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- INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE ABOVE ROOF DECKING.
- EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
- SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
- MASONRY TO HAVE CONTROL JOINTS AT 30' O.C. MAXIMUM.
- COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES WITH THE OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
- WALL TYPES ARE ON SHEET A110.
- SEE A120 SHEETS FOR REFLECTED CEILING PLANS.
- SEE A800 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
- ALL STEEL STAIR COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
- CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET IBC STRENGTH REQUIREMENTS.
- PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS. FASTEN FRAMED WALL CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.



A

B

C

D

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KEYNOTES

**B1** CONTROLLER/MAIN LINE/TANK IN PIT @ BOTTOM LANDING REQUIREMENTS  
A942 | SCALE: 1/4" = 1'-0"

**ELEVATOR #1 - MAIN FLOOR PLAN**  
A942 | SCALE: 3/8" = 1'-0"

**ELEVATOR #1 - UPPER FLOOR PLAN**  
A942 | SCALE: 3/8" = 1'-0"

**C1** ELEVATOR JAMB DETAIL  
A942 | SCALE: 1/4" = 1'-0"

**C2** ELEVATOR DOOR JAMB DETAIL  
A942 | SCALE: 1" = 1'-0"

**D1** ELEVATOR DOOR SILL DETAIL  
A942 | SCALE: 1 1/2" = 1'-0"

**D2** OVERHEAD BEAM CLEARANCE  
A942 | SCALE: 1/2" = 1'-0"

**E1** ELEVATOR DOOR HEAD DETAIL  
A942 | SCALE: 1" = 1'-0"

**E2** ELEVATOR PIT LADDER DETAIL  
A942 | SCALE: 1/2" = 1'-0"

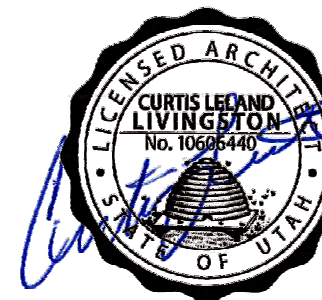
**E3** Section 4  
A942 | SCALE: 3/8" = 1'-0"

**E5** Section 5  
A942 | SCALE: 3/8" = 1'-0"

GENERAL NOTES

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- K. PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
- L. WALL TYPES ARE ON SHEET A110.
- M. SEE A120 SHEETS FOR REFLECTED CEILING PLANS.
- N. SEE A800 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
- O. ALL STEEL STAIR COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
- P. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET IBC STRENGTH REQUIREMENTS.
- Q. PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS. FASTEN FRAMED WALL CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

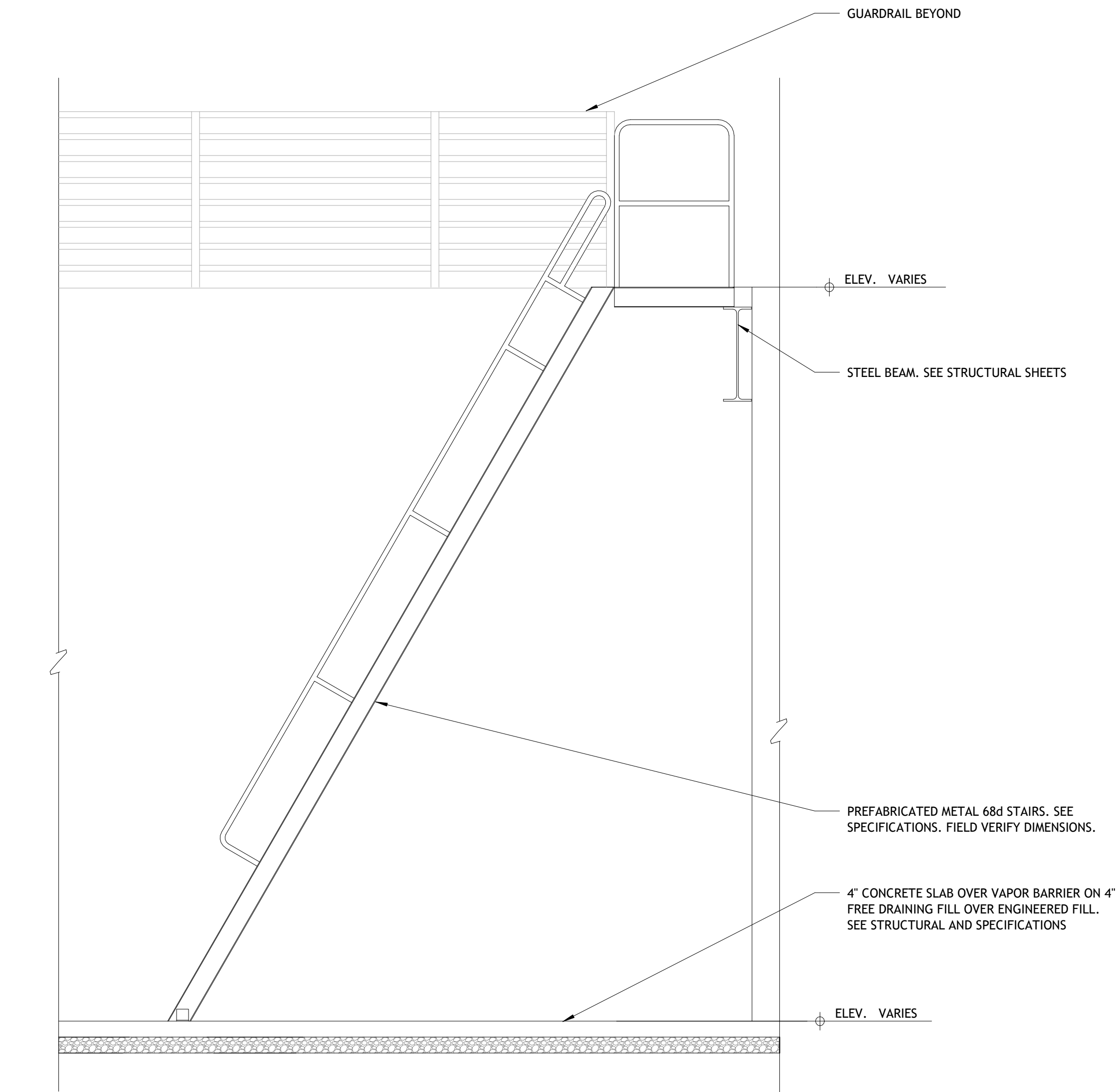
SHEET TITLE

**ELEVATOR #1 -  
PLAN AND  
SECTION**

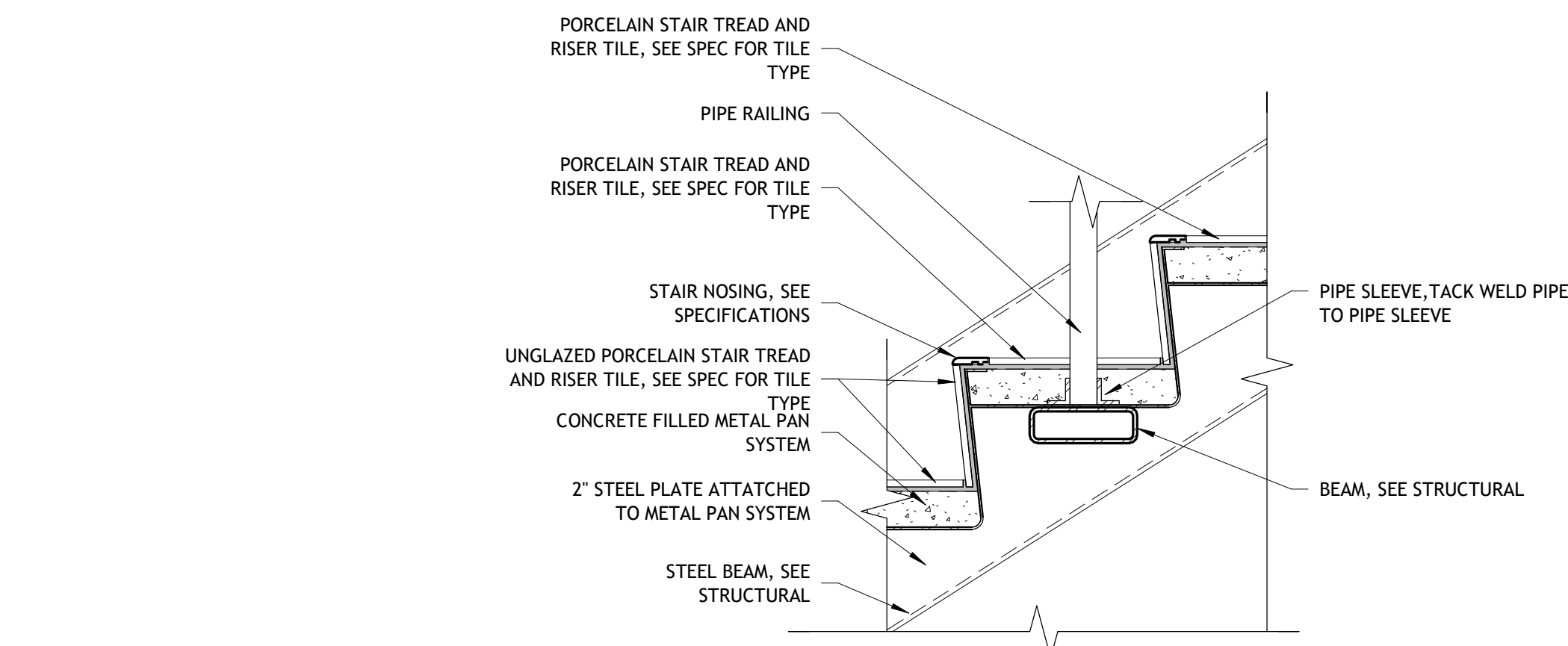
SHEET NUMBER

**A942**

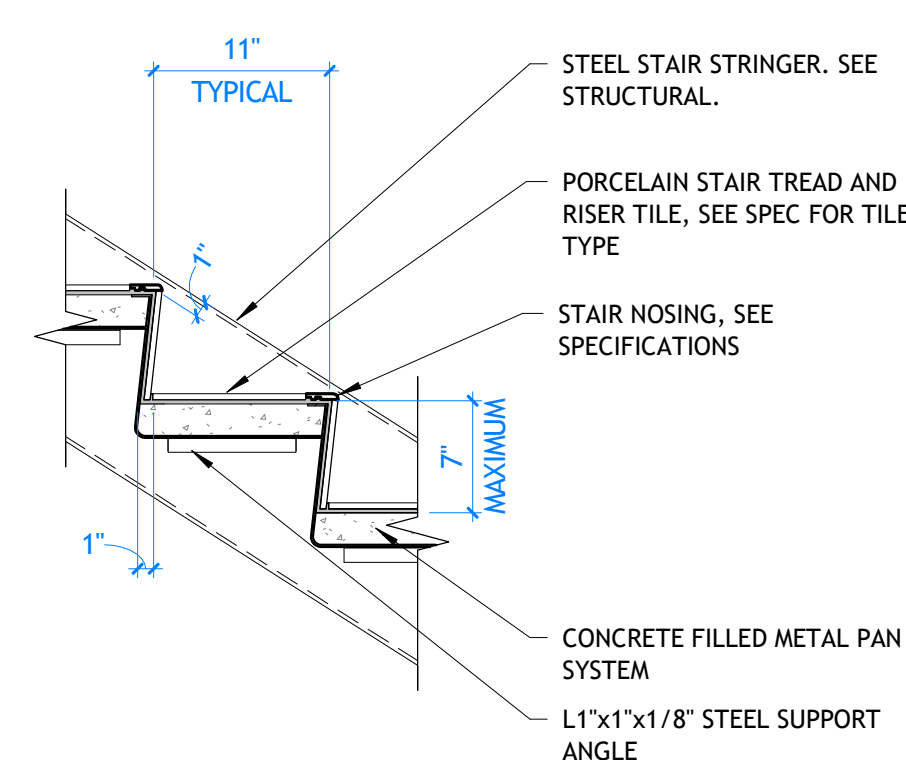




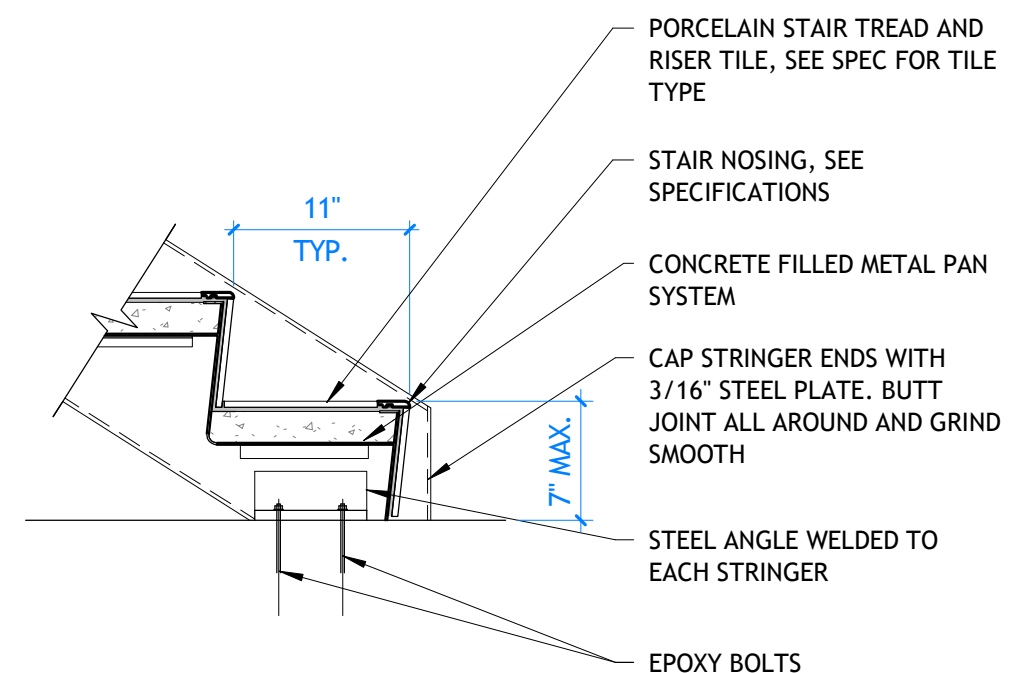
**4** TYP. PREFABRICATED METAL STAIRS SECTION  
A943 | SCALE: 1/2" = 1'-0"



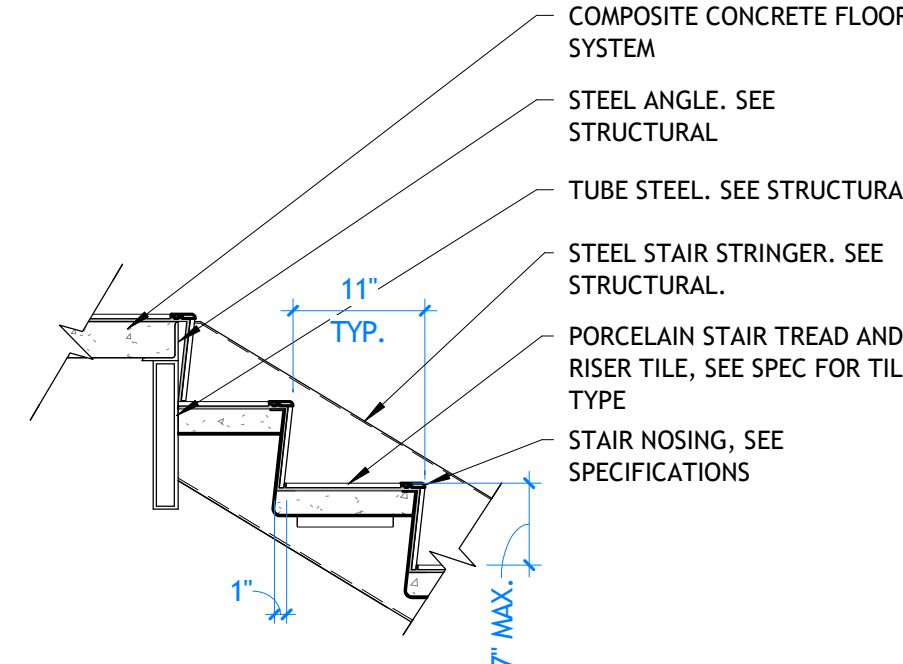
**17** STAIR PAN DETAIL  
A943 | SCALE: 1 1/2" = 1'-0"



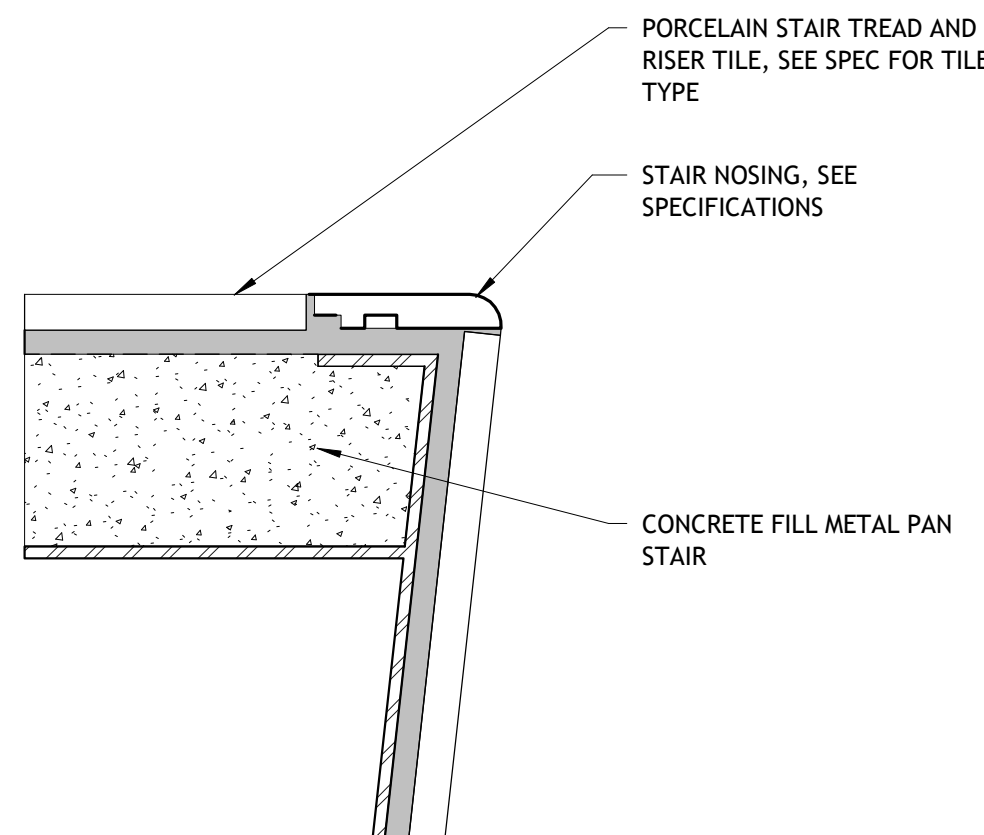
**7** STAIR PAN DETAIL  
A943 | SCALE: 1" = 1'-0"



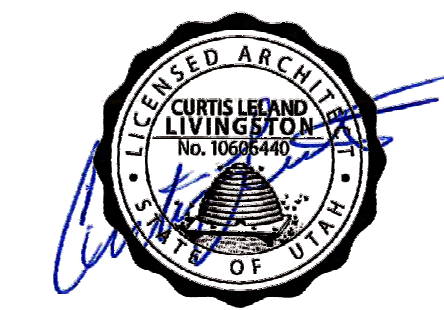
**5** STAIR BASE DETAIL  
A943 | SCALE: 1" = 1'-0"



**11** STAIR DETAIL  
A943 | SCALE: 3/4" = 1'-0"



**1** TREAD NOSING DETAIL  
A943 | SCALE: 6" = 1'-0"



REVISIONS	
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DATE:	SEPTEMBER 12, 2024
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PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS	
<b>BID SET</b>	

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

STAIR DETAILS

SHEET NUMBER  
**A943**



A

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B

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C

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D

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E

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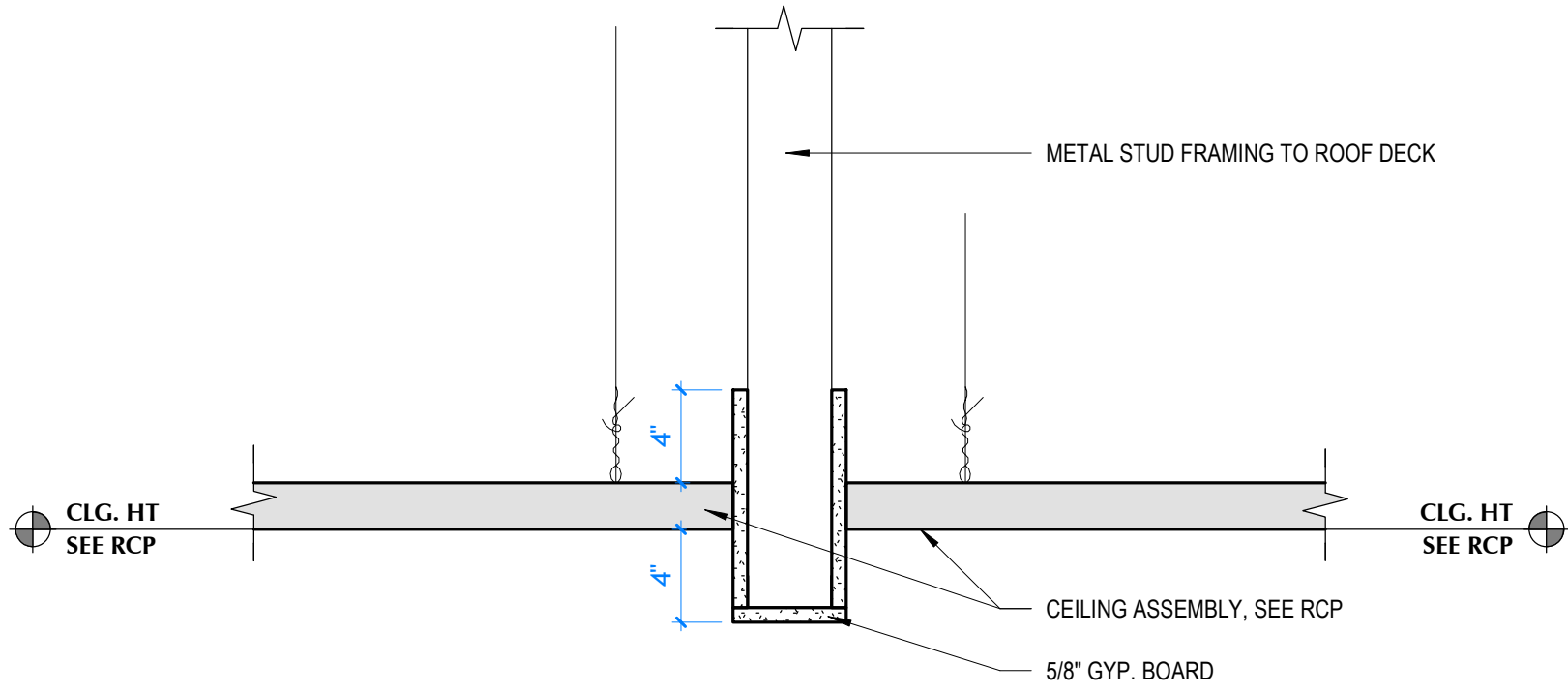
CONSULTANT INFORMATION

OWNER INFORMATION

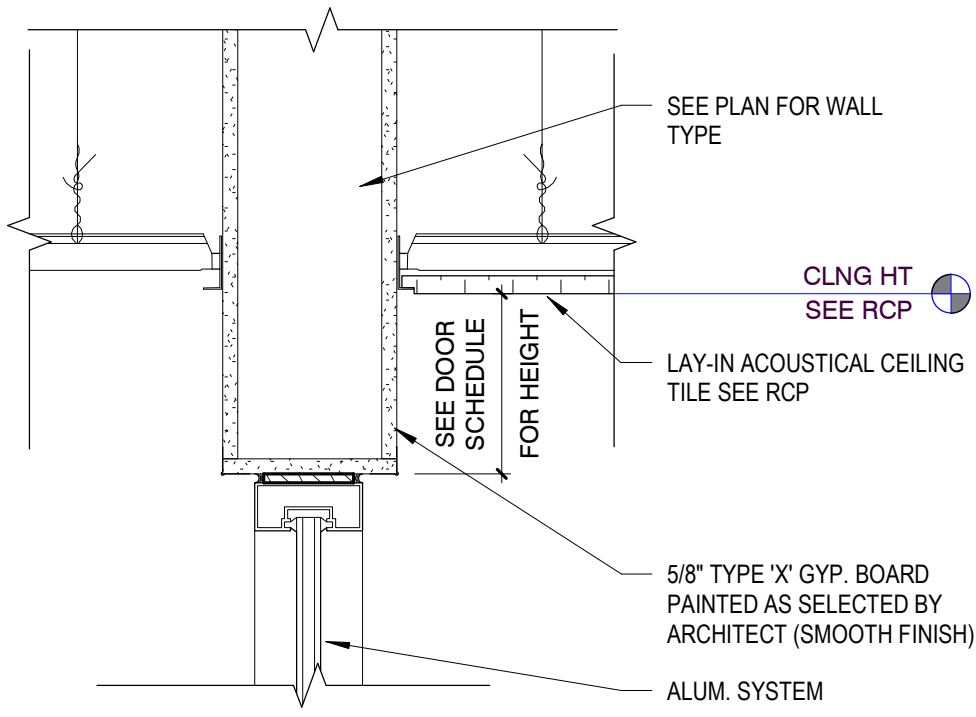


SUSPENDED CEILING SYSTEM NOTES:

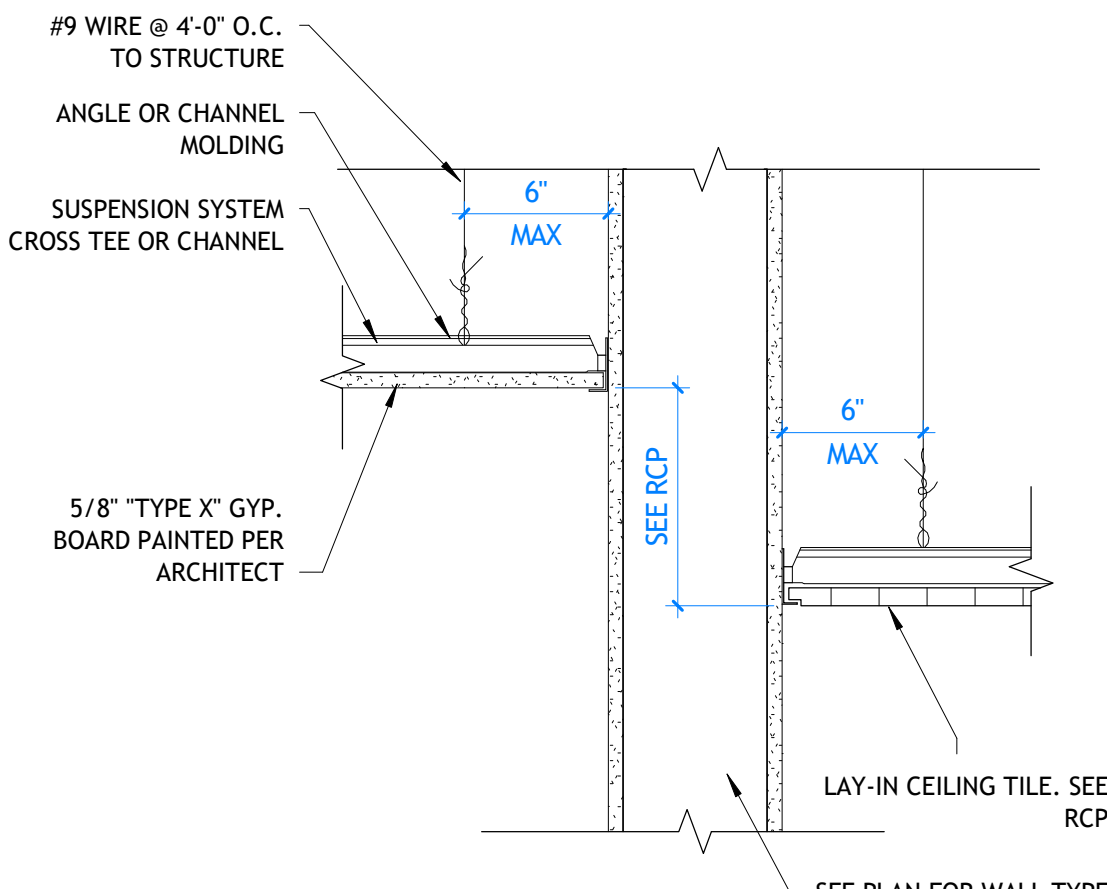
- SUSPENDED CEILING SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH IBC 808.1.1.1, ASTM C635/636, ASCE 7, AND CISCA 3-4.
- ALL CEILINGS ARE TO HAVE VERTICAL COMPRESSION STRUTS, SEISMIC BRACING, HANGERS, ETC., AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4.
- HEAVY DUTY T-BAR SYSTEM WITH PERIMETER SUPPORTING CLOSURE ANGLE AND CODE COMPLIANT SEISMIC CLIPS IS REQUIRED. ATTACHED ONE END OF THE CEILING GRID TO THE CLOSURE ANGLE IN EACH DIRECTION. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON THE BE FREE TO SLIDE ON THE CLOSURE ANGLE.
- SPLAY WIRES AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4. ALL SPLAY WIRES ARE TO BE IN LINE WITH ATTACHED COMPONENT AND ARE TO BE TIED TIGHT AT EACH END WITH A MINIMUM OF 3 TURNS IN 1-1/2" OF RUN.
- ANCHOR WIRES ONLY TO STRUCTURAL MEMBERS AND DECKING IN AN APPROVED MANNER PER CISCA 3-4 DO NOT ANCHOR TO BRIDGING. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOT SHALL THEY BE LESS THAN 6" TO ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
- SUPPORT ALL RUNNERS AT 8" MAXIMUM FROM WALL OR CEILING DISCONTINUITY.
- FOUR-WAY DIAGONAL BRACING AND COMPRESSION STRUTS 12'-0" O.C. EACH WAY.
- PROVIDE CEILING HORIZONTAL RESTRAINT TO THE STRUCTURE ABOVE FOR CEILING AREAS GREATER THAN 1,000 SQUARE FEET TO MINIMIZE DIAPHRAGM LOADS.
- PROVIDE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS FOR CEILING AREAS GREATER THAN 2,500 SQUARE FEET.
- CHANGES IN CEILING PLANE ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
- CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENT FROM THE SUSPENDED CEILING SYSTEM.
- PROVIDE 2" OVERSIZE RINGS, SLEEVES OR ADAPTERS THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT FOR AT LEAST 1" MOVEMENT IN ALL DIRECTIONS FOR FIRE SPRINKLER HEADS AND OTHER SIMILAR PENETRATIONS.
- SPECIAL INSPECTION REQUIRED OF SUSPENDED CEILING SYSTEMS.
- ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDENT OF CEILING SUPPORT SYSTEM, TO STRUCTURAL ABOVE. SEE ELECTRICAL SHEETS.



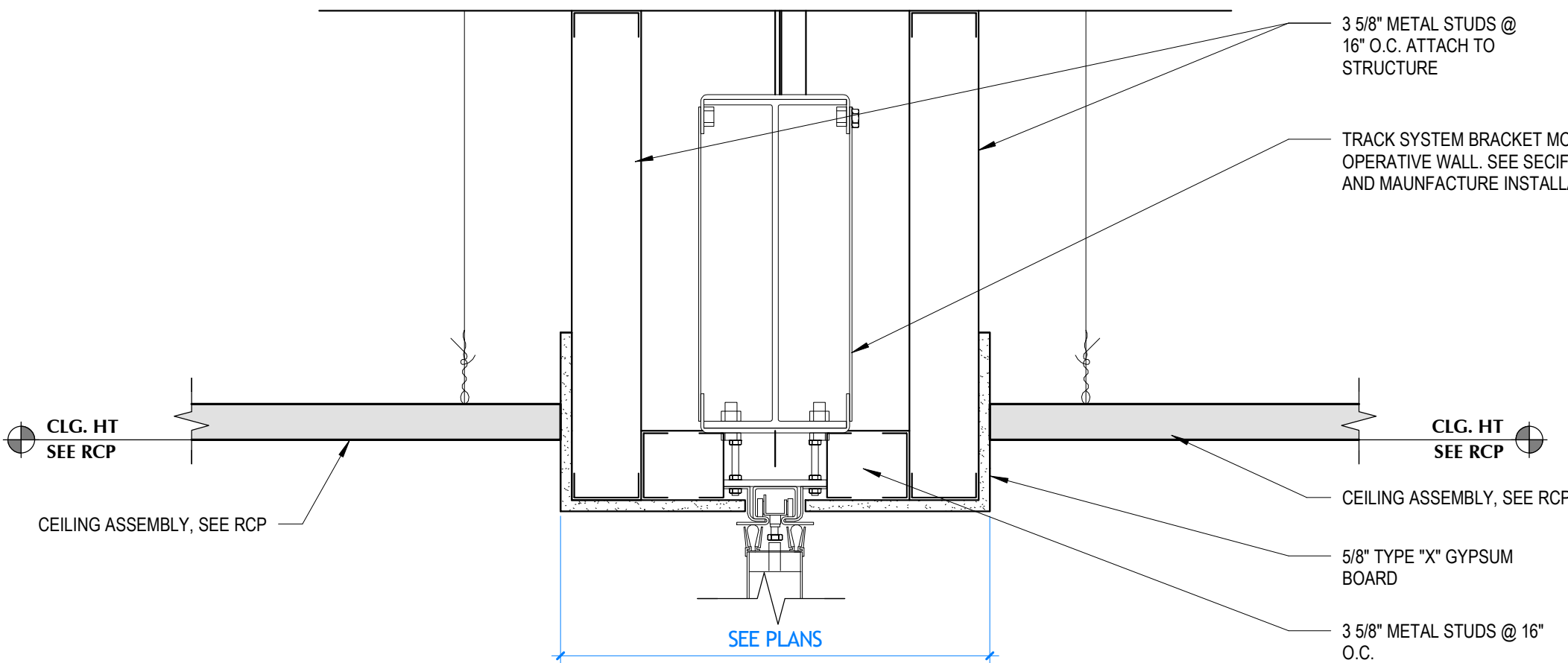
D4 CEILING DETAIL - FRAMED BULKHEAD  
A944 | SCALE: 1 1/2" = 1'-0"



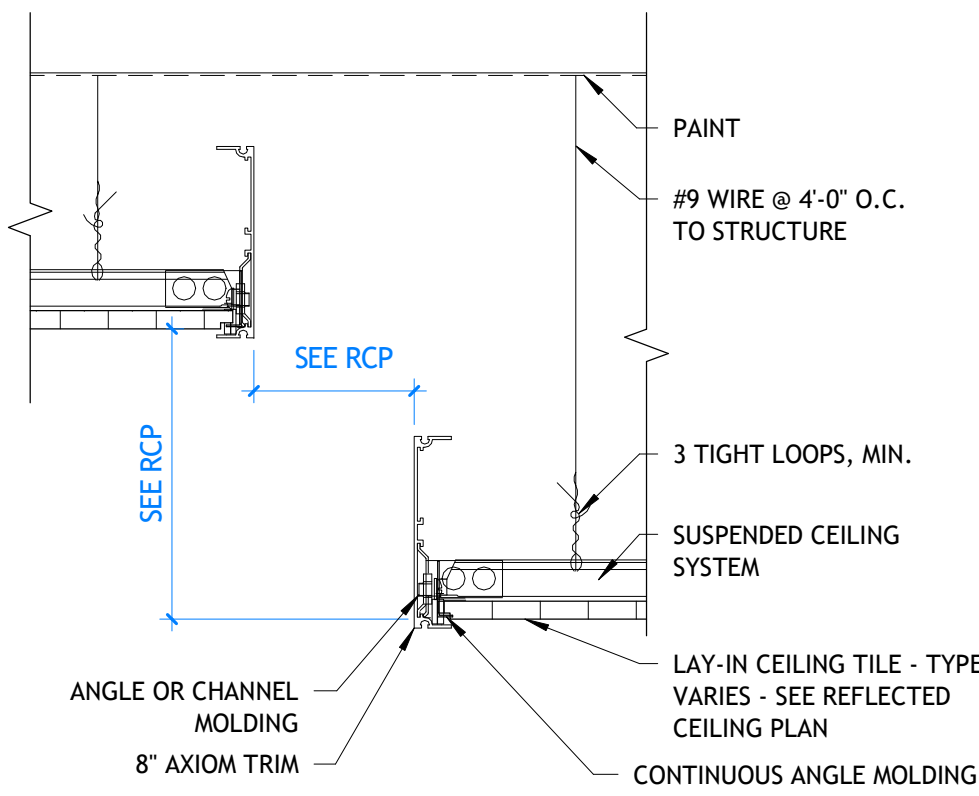
D6 HEAD DETAIL  
A944 | SCALE: 1 1/2" = 1'-0"



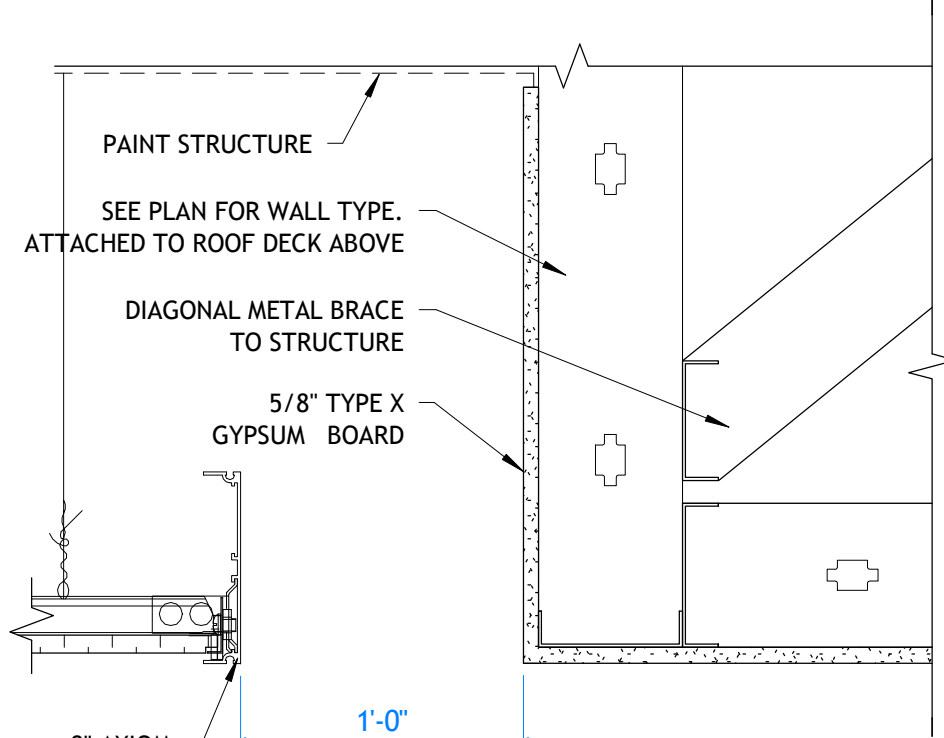
D7 GYP. CEILING TO ACT DETAIL  
A944 | SCALE: 1 1/2" = 1'-0"



E3 OPERATABLE WALL CEILING DETAIL  
A944 | SCALE: 1 1/2" = 1'-0"



E5 AXIOM CEILING TRANSITION DETAIL  
A944 | SCALE: 1 1/2" = 1'-0"



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
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PIC:	CLL

DRAWING SET STATUS	
BID SET	
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR	
SHEET TITLE	

CEILING DETAILS

SHEET NUMBER  
A944



SHEET TITLE

# A945





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F

G

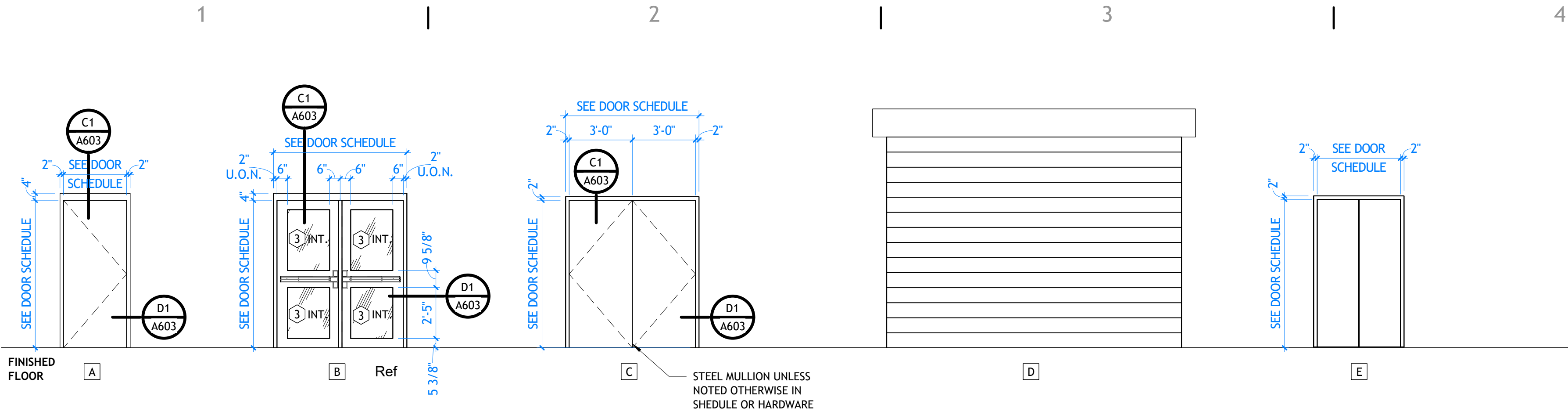
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I

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## DOOR TYPES

A601 SCALE: 1/4" = 1'-0"

## KEYNOTES

DOOR SCHEDULE - FH ALTERNATE 1								
MARK	TYPE	DOOR SIZE		MATERIAL		HARDWARE	RATING	COMMENTS
		WIDTH	HEIGHT	DOOR	FRAME			
FH, LEVEL 1								
101E1	E					E1	ELEVATOR DOOR PER MANUFACTURER	
101E2	A	3'-0"	7'-0"	HM	HM	11		
112D	B	6'-0"	7'-0"	HM	HM	06		
112E	D	12'-0"	10'-0"	STL	STL	R1		
112F	B	6'-0"	7'-0"	HM	HM	18		
112G	D	12'-0"	10'-0"	STL	STL	R1		
112H	B	6'-0"	7'-0"	HM	HM	18		
115	A	3'-0"	7'-0"	HM	HM	11		
FH, LEVEL 2								
200B	E					E1	ELEVATOR DOOR PER MANUFACTURER	
201A	A	3'-0"	7'-0"	WD	HM	09		
201B	B	6'-0"	7'-0"	WD	HM	08		
203A	C	6'-0"	7'-0"	WD	HM	07		
203B	A	3'-0"	7'-0"	WD	HM	12		
204	A	3'-0"	7'-0"	WD	HM	16		
205	A	3'-0"	7'-0"	WD	HM	16		
206	B	6'-0"	7'-0"	WD	HM	07		
207A	A	3'-0"	7'-0"	WD	HM	13		
207B	A	3'-0"	7'-0"	WD	HM	13		
207C	A	3'-0"	7'-0"	WD	HM	13		
207D	A	3'-0"	7'-0"	WD	HM	13		
207E	A	3'-0"	7'-0"	WD	HM	14		
207F	A	3'-0"	7'-0"	WD	HM	16		
207G	A	3'-0"	7'-0"	WD	HM	11		
207H	A	3'-0"	7'-0"	WD	HM	14		
208	A	3'-0"	7'-0"	WD	HM	11		

## GLAZING SCHEDULE

- 1" INSULATED TEMPERED LOW-E GLASS
- 1" INSULATED ANNEALED CLEAR LOW-E GLASS
- 1/4" TEMPERED CLEAR GLASS
- KALWALL WINDOW SYSTEM - SEE SPECS

## NOTE:

- EXTERIOR DOORS & WINDOWS TO BE GLAZING TYPES 1 & 2
- INTERIOR DOORS & WINDOWS TO BE GLAZING TYPE 3
- TEMPERED GLASS WITHIN 4'-0" OF ANY DOOR/OPENING

## GENERAL NOTES

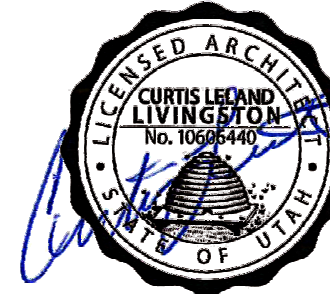
- THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
- DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
- ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
- ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
- CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
- COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
- ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
- SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
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core@corearch.com

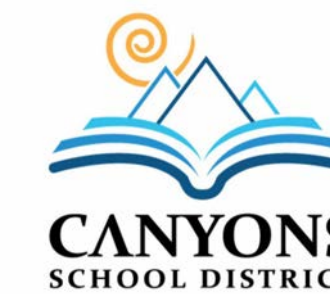
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## PROFESSIONAL STAMP



## CONSULTANT INFORMATION

## OWNER INFORMATION



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

## REVISIONS

DESCRIPTION	DATE

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

## DRAWING SET STATUS

## BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

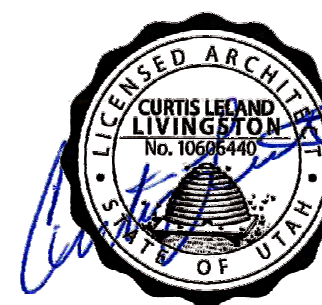
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## DOOR AND WINDOWS

## SHEET NUMBER

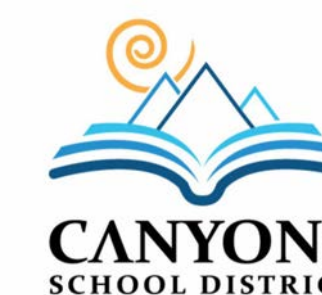
A960





CONSULTANT INFORMATION

OWNER INFORMATION



# CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST

## REVISIONS:

[illegible]

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2011  
PROJECT #: 24  
PM / PA:  
PIC:

## DRAWING SET STATUS

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

### ALTERNATE - FINISHINGS PLANS

SHEET NUMBER

## A980

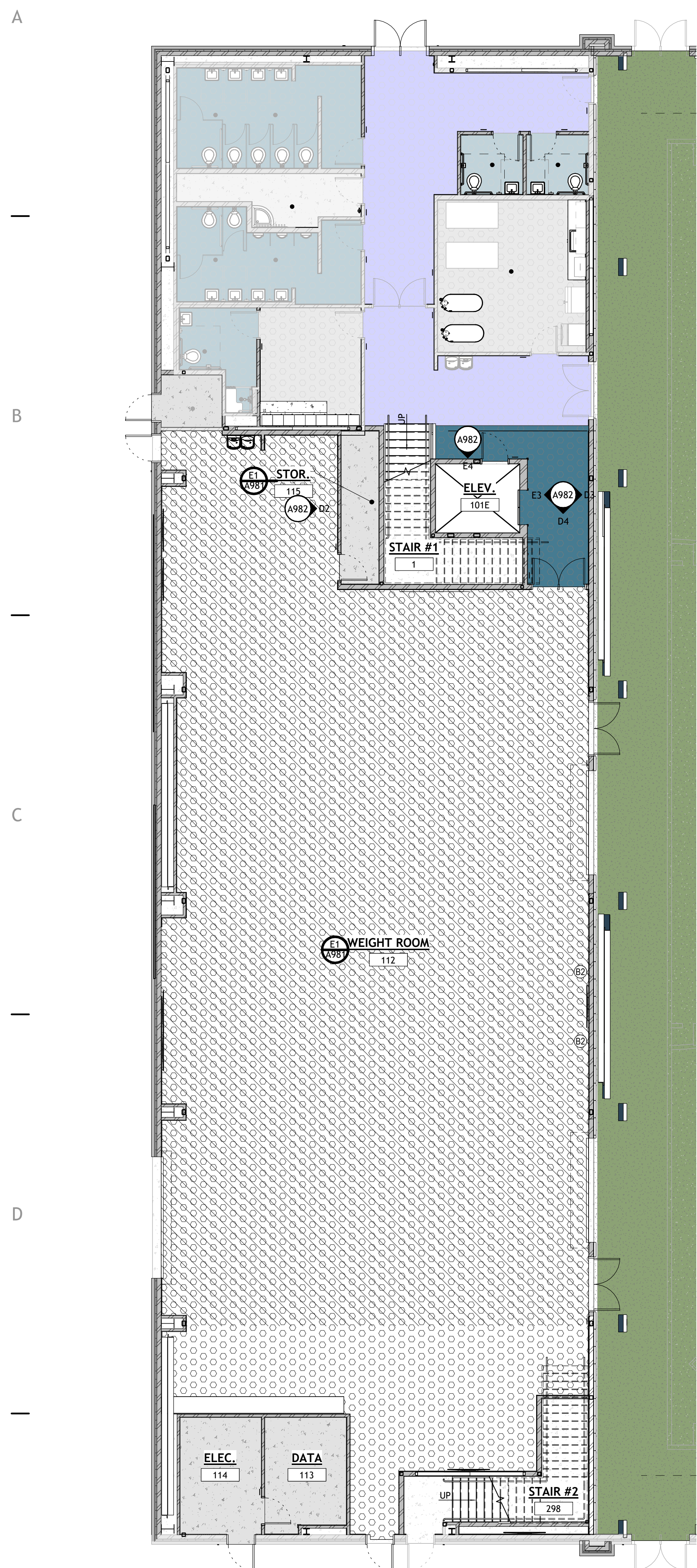
## KEYNOTES

FINISH ROOM SCHEDULE ALTERNATE							
Name	Number	Floor Finish	Base Finish	Wall Finish	Millwork Finishes	Ceiling Finish	Door Finish
TURF FIELD	100	F4, F5, F6, F7	B1	W7, W10, W11	-	CL3	D1
VESTIBULE	101	F2	B1	W1, W6	-	CL2	D1
R.R.	102	F1	B2	W3	-	CL1	D1
R.R.	103	F1	B2	W3	-	CL1	D1
TRAINING ROOM	104	F1	B1	W1, W3	M1, A2	CL2	D1
CORRIDOR	105	F2	B2	W1, W6	-	CL2	D1
WOMEN'S	106	F1	B2	W3	-	CL1	D1
CLOST.	107	F3	B1	W1, W4	-	-	D1
MENS	108	F1	B2	W3	-	CL1	D1
LOCKER ROOM	109A	F1	B1	W1, W5	-	CL1	D1
R.R.	109B	F1	B2	W3	-	CL1	D1
RISER ROOM	110	F3	B1	W1	-	-	D1
OPEN WEIGHTS	112	F2	B1	W1, W2, W10, W11, W12	M1, A2	CL3	D1
DATA	113	F3	B1	W1	-	-	D1
ELEC.	114	F3	B1	W1	-	-	D1
MENS	115	F1	B1	W1	-	-	D1
BALCONY	200	F9	B1	W1	-	-	D2

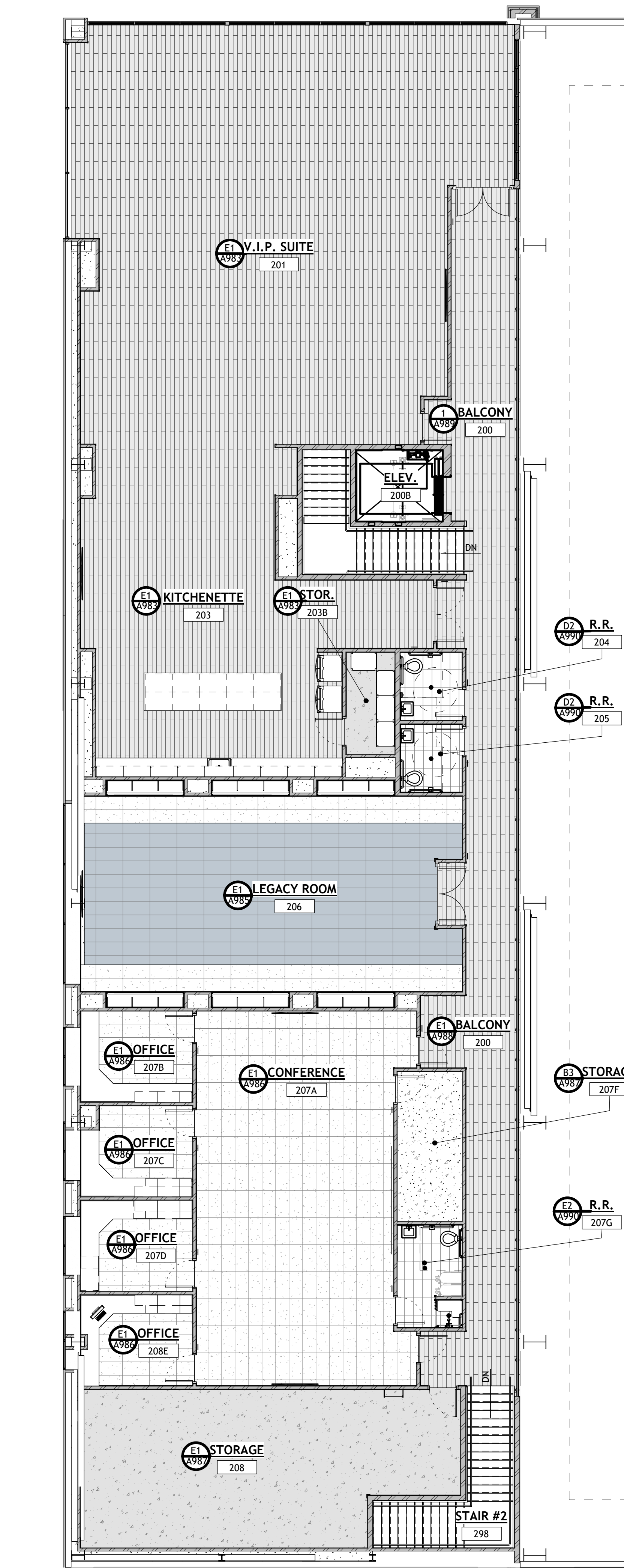
INTERIOR FINISH SCHEDULE						
CODE	MATERIAL	MANUFACTURER	PRODUCT NAME / NUMBER	COLOR / FINISH	SIZE	COMMENTS
1-FLOOR FINISHES						
F1	RUBBER TYPE 1	MONDO FLOORING	RAMFLEX	MARINE BLUE G966	ROLLS	CHEMICALLY WELDED
F2	RUBBER TYPE 2	MONDO FLOORING	SPORT IMPACT	DARK GREY 5018	3' X 3' TILES	NO INTERLOCKING
F3	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	-
F4	TURF TYPE 1	-	-	-	-	NIC - OWNER PROVIDED
F5	TURF TYPE 2	-	-	-	-	NIC - OWNER PROVIDED
F6	TURF TYPE 3	-	-	-	-	NIC - OWNER PROVIDED
F7	TURF TYPE 4	-	-	-	-	NIC - OWNER PROVIDED
F8	EXISTING RUBBER	-	-	-	-	-
F9	LUXURY VINYL TILE	JI FLOORING	STEP BY STEP 5MM	ALL PURPOSE	18" X 36"	INSTALLATION: ASHLAR
F10	LUXURY VINYL TILE ACCENT	JI FLOORING	STEP BY STEP 5MM	DENIM 1134	18" X 36"	INSTALLATION: ASHLAR
F11	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	CONCRETE 00570	18" X 36"	INSTALLATION: STAGGERED
F12	CARPET TILE	PATCRAFT	ORGANIC INTERRUPTION. STYLE: LINEAR TENSION	HARBOR 00460	18" X 36"	INSTALLATION: STAGGERED
F13	PORCELAIN FLOOR TILE	DALTILE	-	-	-	-
2-BASE FINISHES						
B1	6" RUBBER BASE	JOHNSONITE BY TARKETT	MANDALAY	BURNT UMBER 63	6"	-
B2	CORRESPONDING TILE BASE	-	-	-	-	-
3- WALL FINISH						
W1	GENERAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	SHEEN: EGGSHELL
W2	ACCENT PAINT	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	SHEEN: EGGSHELL
W3	PORCELAIN WALL TILE	DALTILE	SYNCHRONIC	WHITE SY30 MATTE	12X24	GROUT: CBP "ASH" #442 / INSTALLATION: VERTICAL STRAIGHT STACK
W4	CERAMIC WALL TILE	DALTILE	COLOR WHEAT GRAY LINEAR	MATTE SUEDE GRAY 0782	4X16	GROUT: CBP "PEWTER" #19 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W5	EPOXY PAINTED CONCRETE	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW6762	-	-
W6	PORCELAIN WALL TILE	DALTILE	VOLUME 1.0	SONIC WHITE VL75	12x24	GROUT: CBP "ASH" #442 / INSTALLATION: HORIZONTAL STRAIGHT STACK
W7	WALL PADDING	-	-	-	2X6" TYPICAL	COLOR TO BE SELECTED BY INTERIOR DESIGNER
W8	ACCENT PAINT 2	SHERWIN WILLIAMS	-	KNITTING NEEDLES SW7672	-	FINISH: EGGSHELL
W9	ACCENT PAINT 3	SHERWIN WILLIAMS	-	DOMINO SW6989	-	FINISH: EGGSHELL
W10	PAINTED METAL STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
W11	FIELD METAL PAINT	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: SEMI-GLOSS
W12	DIAMOND PLATE	IMPQ	-	STAINLESS STEEL DIAMOND PLATE	-	FINISH WITH CORNER GUARDS IN SAME DIAMOND PLATE PATTERN
W13	PLASTIC LAMINATE WALL PANELS	FORMICA	-	WALNUT RIFTWOOD 9283-NG	-	USE FRY REGLET 1/2" MILLWORK REVEAL IN-BETWEEN MDF WRAPPED PANELS
W14	TEXTILE WALLCOVERING	SSR TECHNOLOGIES	-	-	-	CUSTOM WALLCOVERING. BRANDING PROVIDED BY OWNER
4- MILLWORK FINISHES						
M1	PLASTIC LAMINATE MILLWORK	FORMICA	-	STORM 912-58	-	-
M2	PLASTIC LAMINATE COUNTERTOP	WILSONART	-	GREY PAMPAS 4168-60	-	EASED EDGE
M3	SOLID SURFACE	FORMICA	EVERFORM	GAMMA GRAY 417	3CM	EASED EDGE USED AS WINDOW SILLS AS WELL
M4	PLASTIC LAMINATE MILLWORK	FORMICA	-	WALNUT RIFTWOOD 9283-NG	-	-
5-CEILING FINISH						
CL1	PAINTED GYPSUM BOARD	SHERWIN WILLIAMS	-	PURE WHITE SW7005	-	FINISH: FLAT
CL2	ACOUSTIC CEILING TILE	-	-	-	-	-
CL3	PAINTED STRUCTURE	SHERWIN WILLIAMS	-	DRESS BLUES SW9167	-	FINISH: SEMI-GLOSS
6-DOOR FINISHES						
D1	PAINTED METAL DOOR & TRIM	SHERWIN WILLIAMS	-	DOMINO SW6989	-	TRIM OF DOOR MATCH EXISTING. SHEEN - SEMI-GLOSS
D2	WOOD DOOR & PAINTED METAL TRIM	SHERWIN WILLIAMS	-	-	-	SHEEN - SEMI-GLOSS

### GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. PROVIDE A MINIMUM CLEAR FLOOR SPACE AT FULL SIZE OF ALL DOORS, PROVIDE C.
- C. MILLWORK SHOWN FOR CLARITY. FLOOR FLOORING UNDER EQUIPMENT, MILLWORK AND COUNTERTOPS.
- D. SEE LAYOUT ELEVATIONS ON A550 SHEETS AND MILLWORK DETAILS ON A550 SHEET.
- E. FINAL FINISH SELECTION TO BE COORDINATED WITH ARCHITECT, AND OWNER INTERIOR DESIGNER.
- F. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS.
- G. SEE ELECTRICAL SHEETS FOR LOCATIONS OF OUTLETS, SWITCHES, DATA, TELEPHONE, TELEVISION, INTERCOMS, CLOCKS, SPEAKERS, HORNS, STROBES, ETC.
- H. PROVIDE 3" DIAMETER HOLE THIRD CENTER TOP AT ALL POWER AND DATA OUTLET BELOW CABINET. PROVIDE 3MM PVC SLEEVE AROUND OPENING. COORDINATE WITH ELECTRICAL SHEETS. DRILLING OPENING AFTER MILLWORK HAS BEEN INSTALLED FOR ACCURATE LOCATION WITH ELECTRICAL.
- I. FINAL LOCATION OF ALL RESTROOM EQUIPMENT TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION.
- J. CHAMFER ALL EXPOSED CORNERS ON COUNTERTOPS.
- K. ALL WINDOWS TO RECEIVE SLOD SURFACE GLASS. SEE A802 & SPECIFICATIONS FOR FINISH DETAILS.
- L. PROVIDE 1/8" THICK STEEL CORNER GUARDS AT ALL DRYWALL CORNERS PER DETAIL D456/60.
- M. PROVIDE CHAMFER TURN PIECE ON ALL EXPOSED TILE EDGES AND EXTERIOR CORNERS. SEE SPECIFICATION.
- N. ALL WALLS TO RECEIVE ROOM SIGNS AT EACH ENTRY INTO SPACE. PLAN FOR APPROPRIATE ADJACENT PER ROOM.
- O. A PREINSTALLATION MEETING IS TO BE SCHEDULED WITH THE OWNER, ARCHITECT AND ALL TRADES TO DISCUSS THE PROJECT AND EQUIPMENT SUBCONTRACTOR, AND THE MULTI-PURPOSE ROOM FLOORING SUBCONTRACTOR TO COORDINATE THE LAYOUT AND INSTALLATION OF THE GYMNASIUM EQUIPMENT AND THE FLOOR GAGE LINES.
- P. PROVIDE FLOOR TRANSITION STRIPS AT ALL FLOOR MATERIAL TRANSITIONS PER DETAIL A550.

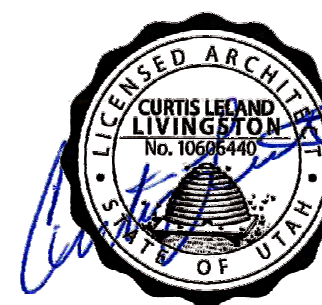


 **MAIN FLOOR FURNISHINGS PLAN - ALTERNATIVE**  
4980 | SCALE: 1/8" = 1'-0"



 **UPPER FLOOR FURNISHINGS PLAN - ALTERNATIVE**  
A980 | SCALE: 1/8" = 1'-0"





CONSULTANT INFORMATION


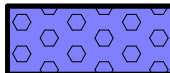






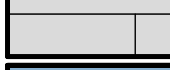
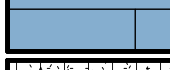
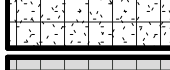
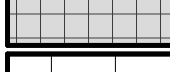
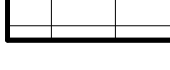
## KEYNOTES

2.19	ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
11.17	ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICALS.

### FINISH LEGEND

CODE	MATERIAL
<b>2-BASE FINISHES</b>	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
<b>3-WALL FINISH</b>	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W14	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
<b>4-MILLWORK FINISHES</b>	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
<b>5-CEILING FINISH</b>	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
<b>6-DOOR FINISHES</b>	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

## FLOOR FINISHES

F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN PATCH AND REPAIR WHERE NEEDED
F9		LUXURY VINYL TILE
F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE

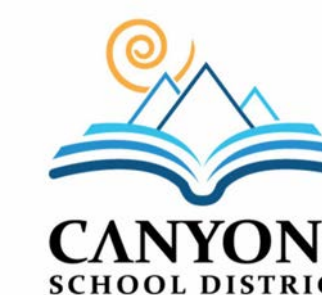
SEE A802 FOR FINISHES

### WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

**NOTE:** COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
\* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

## OWNER INFORMATION



# CCHS FIELDHOUSE & SOCCER FIELD

PROJECT TITLE AND ADDRESS

12943 SOUTH 700 EAST

## REVISIONS

[illegible]

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2011  
PROJECT #: 24  
PM / PA:  
PIC:

## DRAWING SET STATUS

**BID SET**

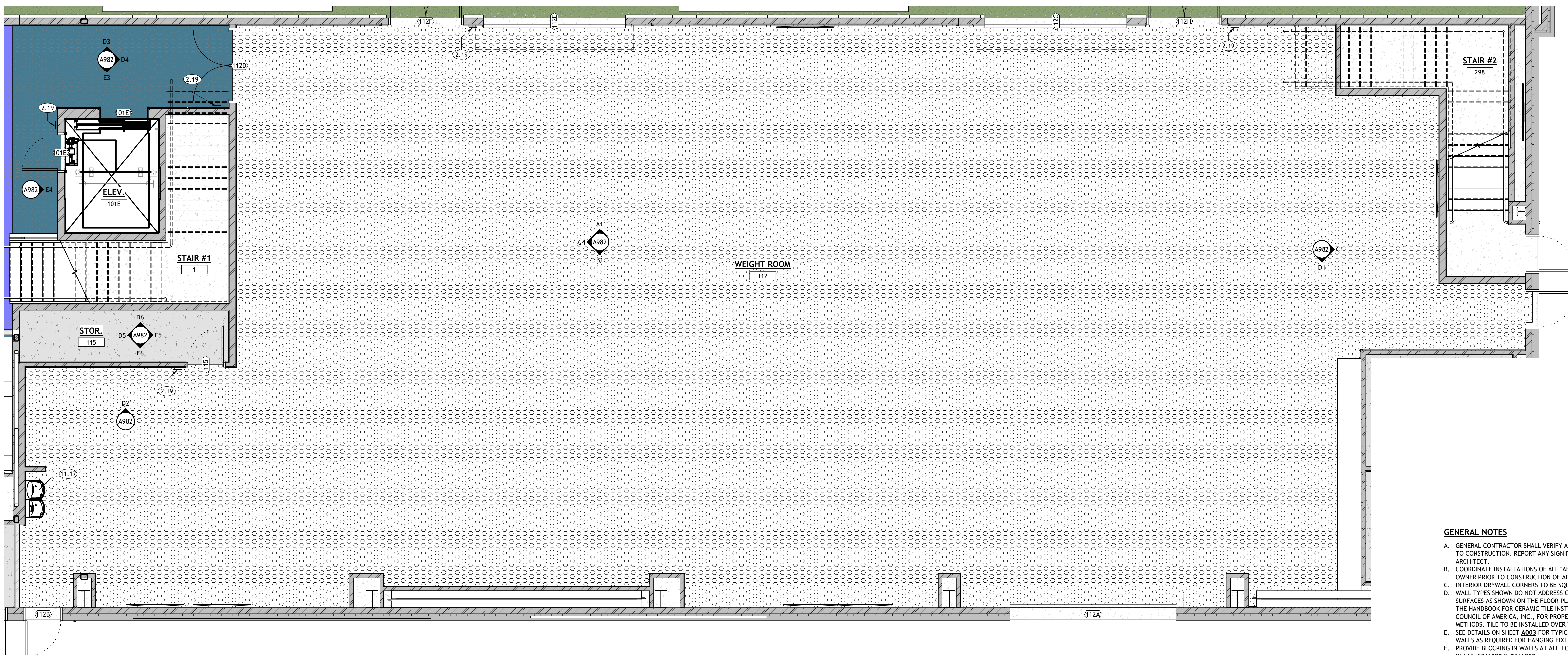
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SHEET TITLE

ALTERNATE -  
ENLARGED  
WIEGHT ROOM

SHEET NUMBER

**A981**



**GENERAL NOTES**

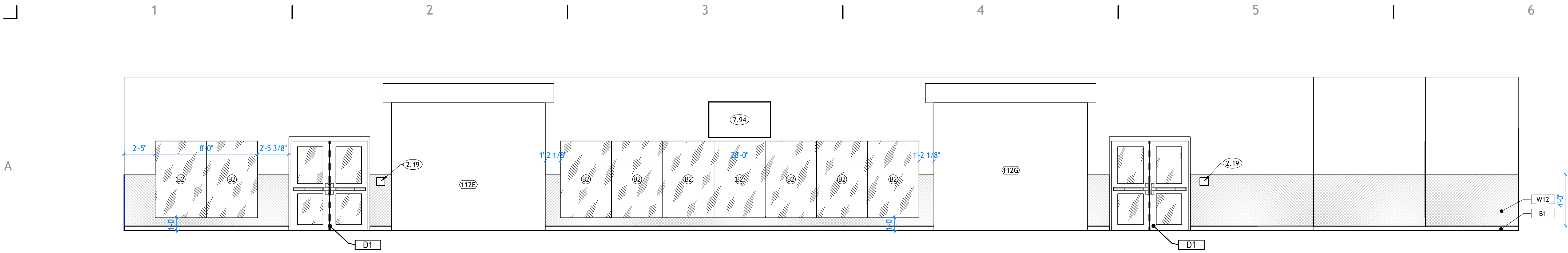
- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "ALTER-CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
- D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL. CURB CUTS TO BE SHOWN ON SHEET. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
- E. SEE SEE SHEET 100 FOR SPECIFICATIONS REGARDING HEIGHTS, BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
- F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C5A/C603 & B6A/B603.
- G. INTERIOR ELEVATIONS TO BE TWO SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- H. FINISH OF EXTERIOR TILES TO BE MATCHED TO INTERIOR TILES. ECK - K.
- I. IN ADDITION TO "TWO SYSTEMS" SELECT MILLWORK NUMBERS NOTED ARE KEAWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEAWAUNEE MILLWORK AND OTHER FINISHES.
- J. PROVIDE SCHLUTTER-RODNER CORNER PIECE WHERE TILE MEETS DOOR JAMBS.



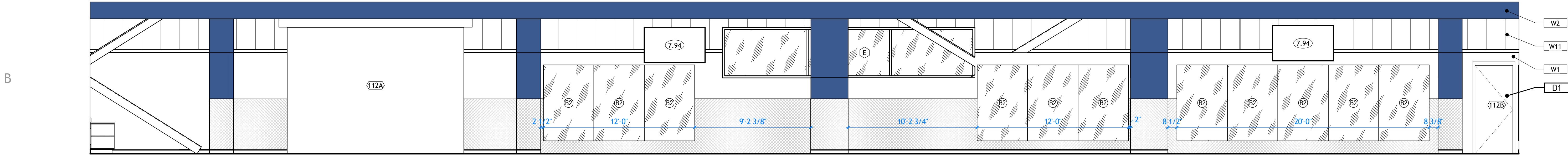
## ENLARGED WEIGHT ROOM

A981 SCALE: 1/4" = 1'-0"

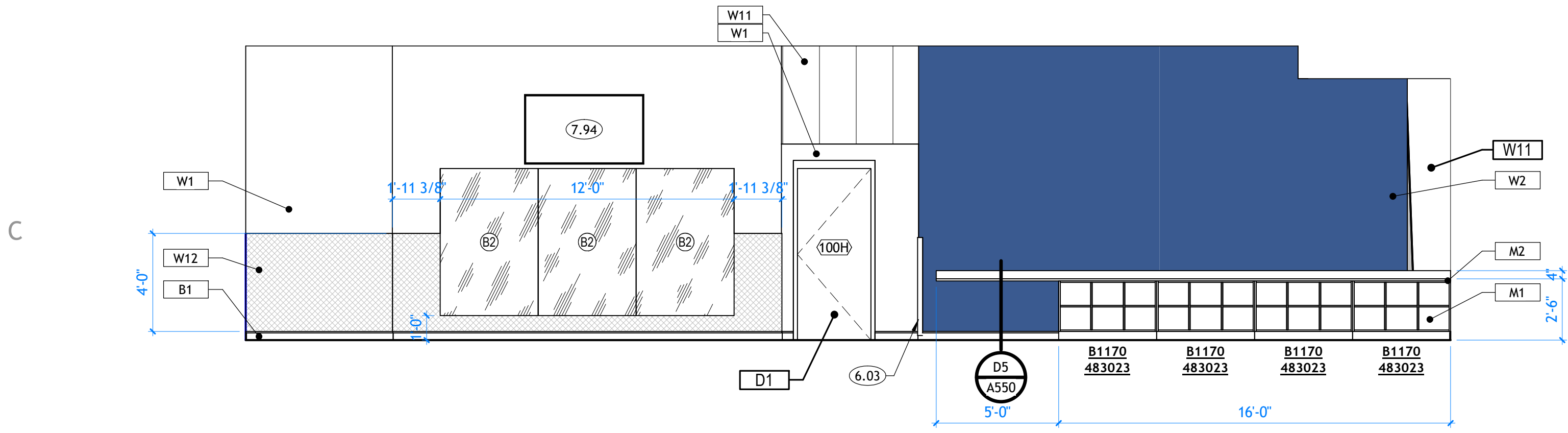




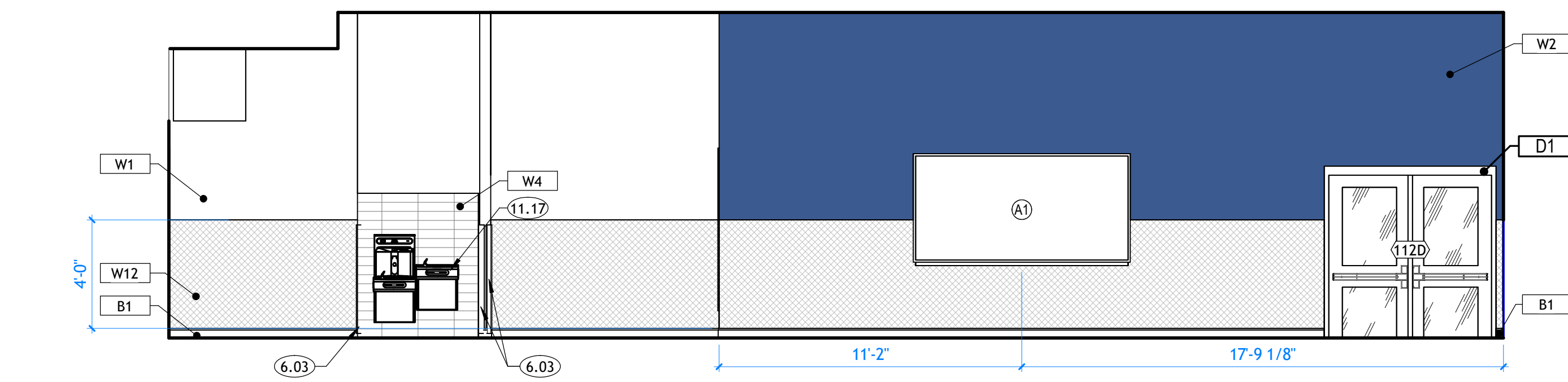
**A1** WEIGHT ROOM 109 - B  
A982 | SCALE: 1/4" = 1'-0"



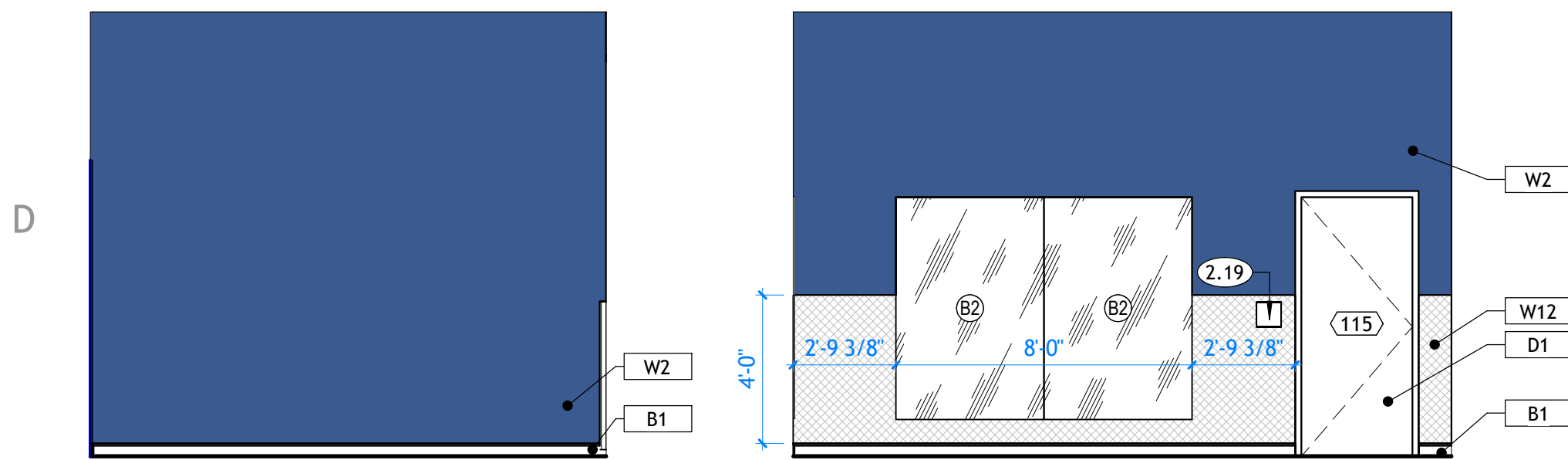
**B1** WEIGHT ROOM 109 - D  
A982 | SCALE: 1/4" = 1'-0"



**C1** WEIGHT ROOM 112 - C  
A982 | SCALE: 1/4" = 1'-0"



**C4** WEIGHT ROOM 109 - A  
A982 | SCALE: 1/4" = 1'-0"



**D1** WEIGHT ROOM 112 - B  
A982 | SCALE: 1/4" = 1'-0"

**D2** WEIGHT ROOM 112  
A982 | SCALE: 1/4" = 1'-0"

**D3** CORRIDOR 113 ALT.  
A982 | SCALE: 1/4" = 1'-0"

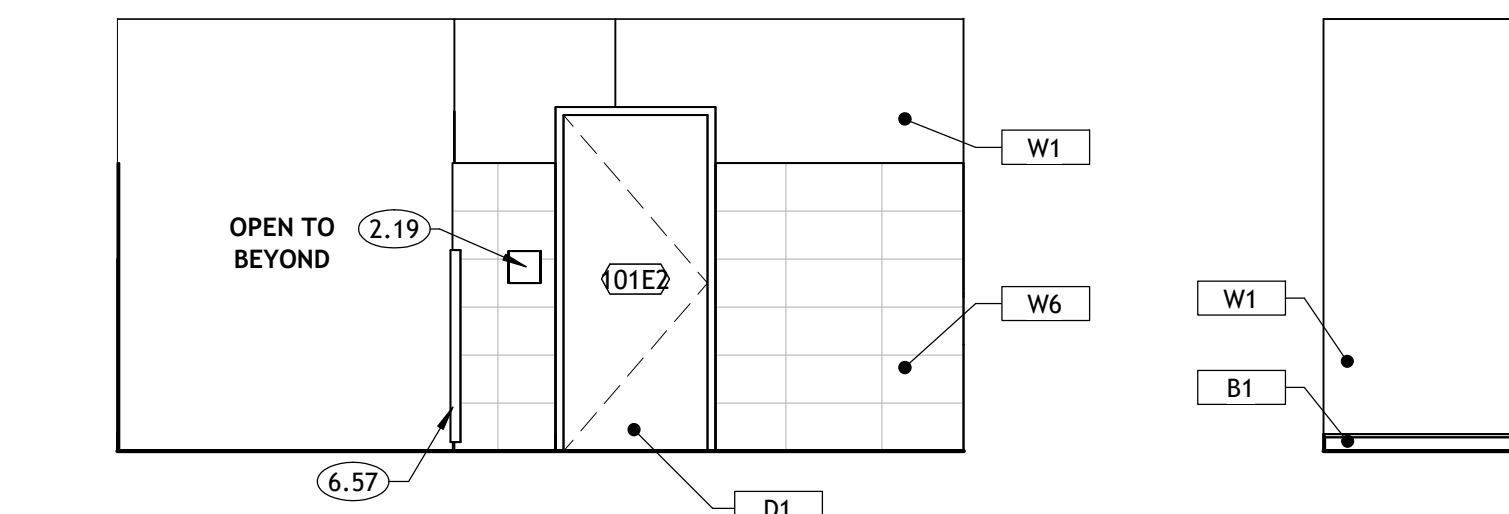
**D4** CORRIDOR 113 ALT.  
A982 | SCALE: 1/4" = 1'-0"

**D5** STORAGE 109B - A  
A982 | SCALE: 1/4" = 1'-0"

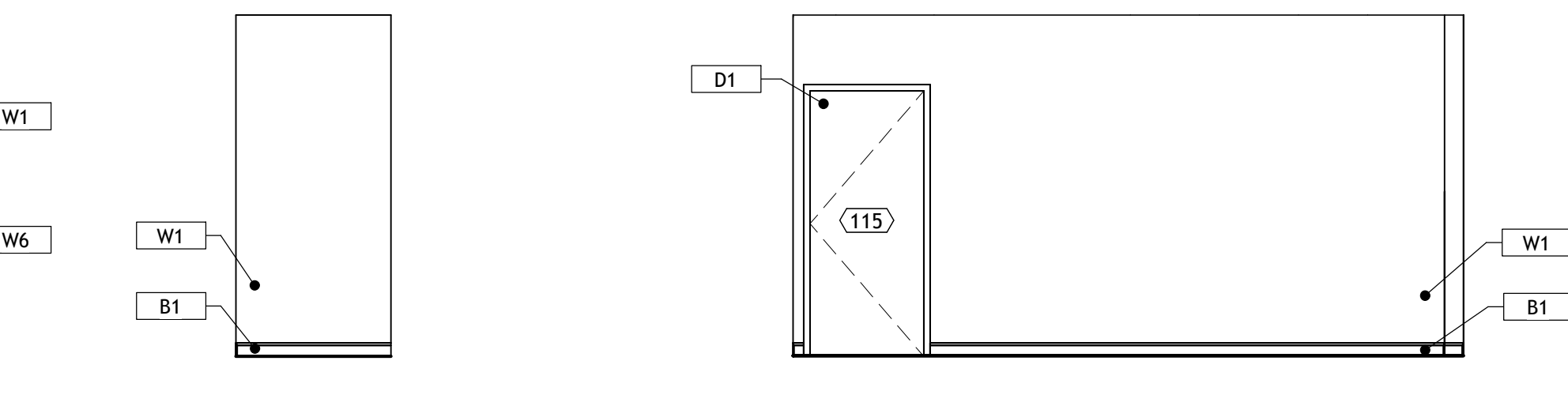
**D6** STORAGE 109B - B  
A982 | SCALE: 1/4" = 1'-0"



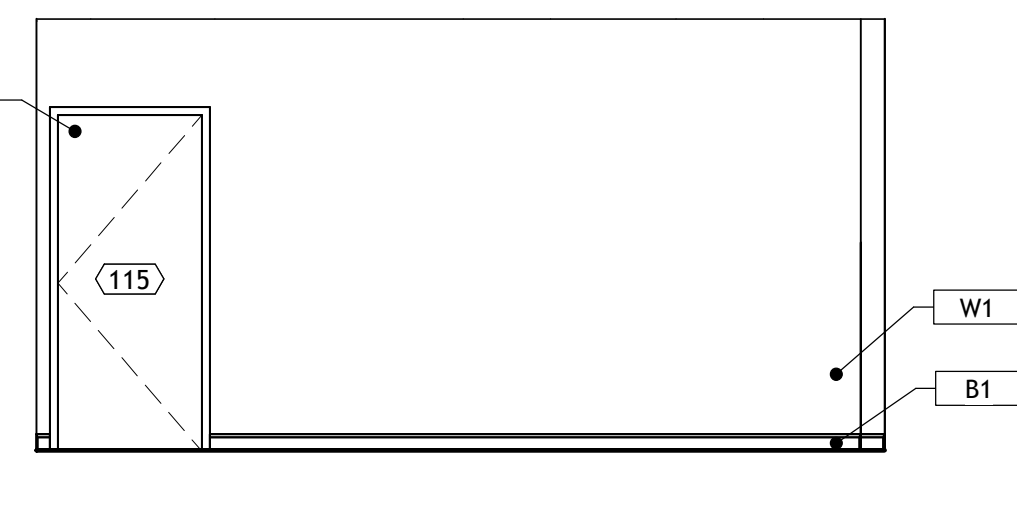
**E3** CORRIDOR 113 ALT.  
A982 | SCALE: 1/4" = 1'-0"



**E4** CORRIDOR 113 ALT.  
A982 | SCALE: 1/4" = 1'-0"



**E5** STORAGE 109B - C  
A982 | SCALE: 1/4" = 1'-0"



**E6** STORAGE 109B - D  
A982 | SCALE: 1/4" = 1'-0"

## KEYNOTES

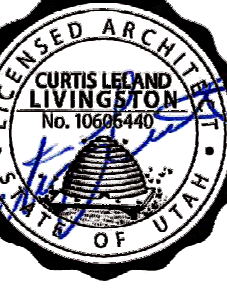
- 2.19 ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
- 6.03 4 TALL STAINLESS STEEL CORNER GUARD
- 6.57 4 TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
- 7.94 65" TV. COORDINATE WITH ELECTRICAL
- 11.17 ELECTRIC WATER COOLER & BOTTLE FILLER, OVER TYPICAL DRINKING FOUNTAIN WALL TILE. SEE PLUMBING, ELEVATIONS AND MECHANICAL.



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
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## PROFESSIONAL STAMP



## CONSULTANT INFORMATION

## FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

## FINISH LEGEND

CODE	MATERIAL
2-BASE FINISHES	
B1	1" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

## WALL FURNISHINGS LEGEND

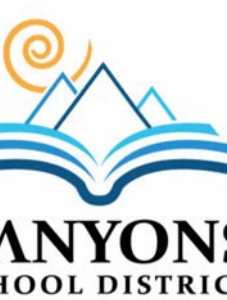
A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" x 36"	MIRROR
B2	48" x 72"	MIRROR
C1	24" x 72"	WALL PADDING
C2	18" x 72"	I-BEAM WALL PADDING
C3	10" x 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
\* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%.

## GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
- D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
- E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
- F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
- G. ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
- I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- J. PROVIDE SCHLUTER-RODDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

## OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

## REVISIONS

Δ DESCRIPTION	DATE

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

## DRAWING SET STATUS

## BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

## SHEET TITLE

ALTERNATE -  
ENLARGED  
WEIGHT ROOM

## SHEET NUMBER

A982



A  
B  
C  
D  
E

1

2

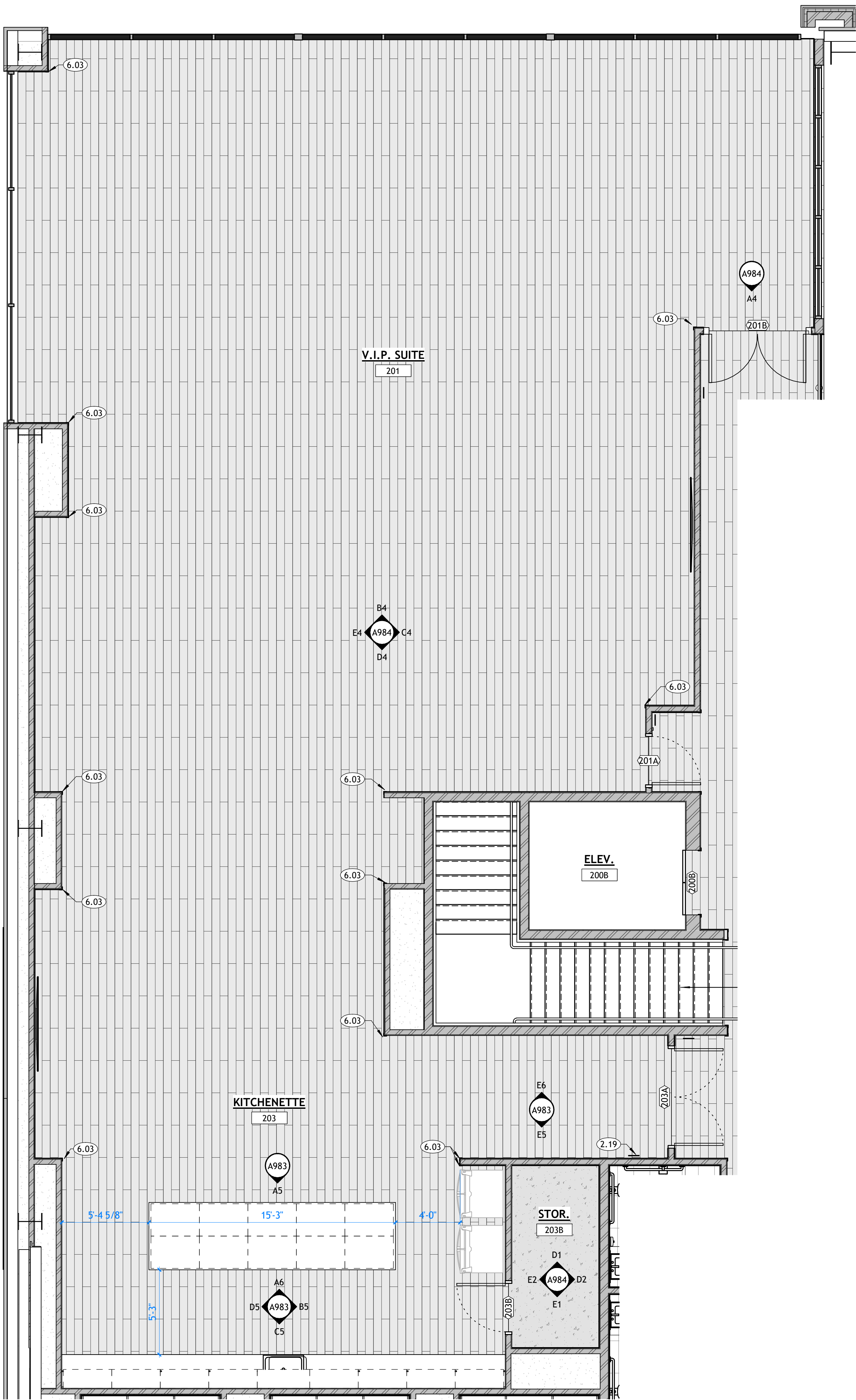
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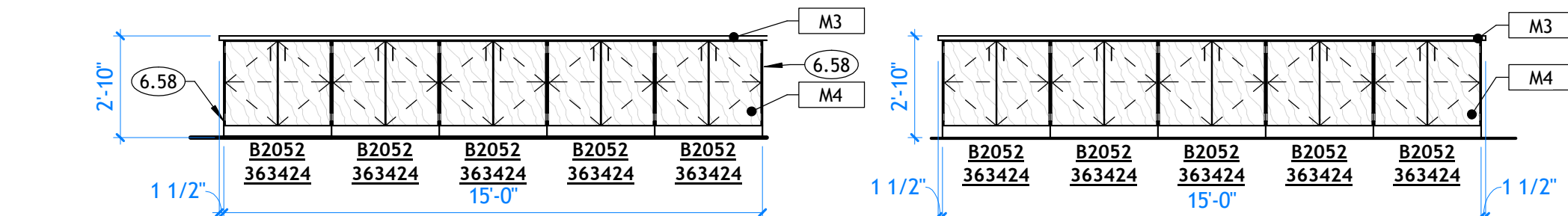
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6

7

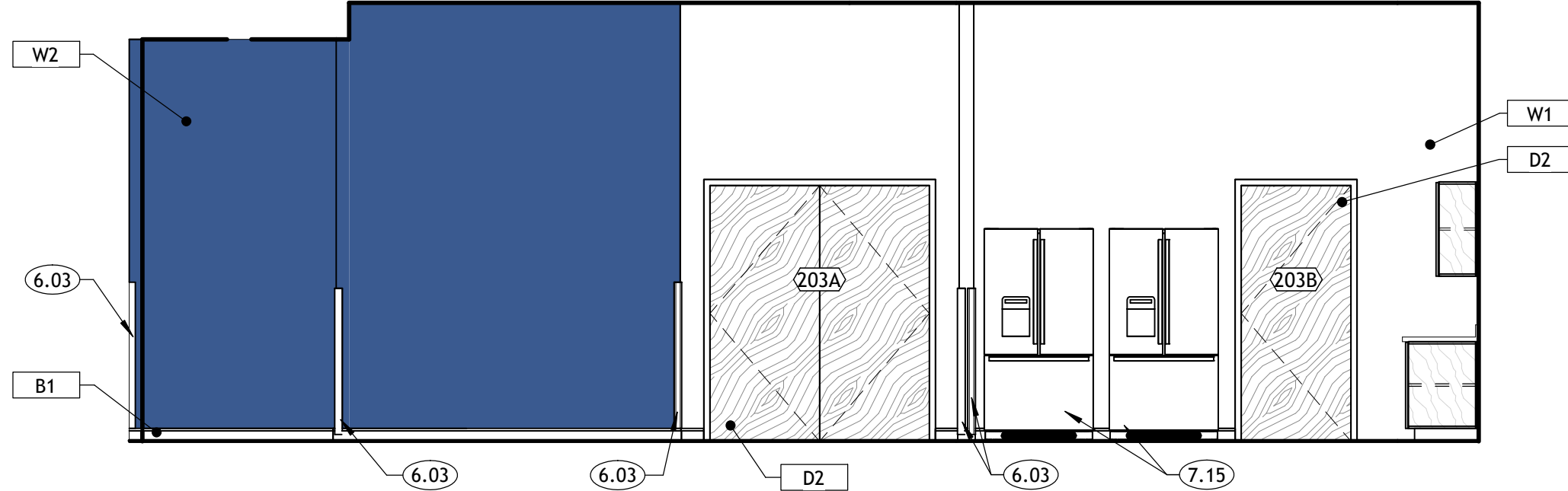


ENLARGED V.I.P. SUITE - ALTERNATIVE  
A983 | SCALE: 1/4" = 1'-0"

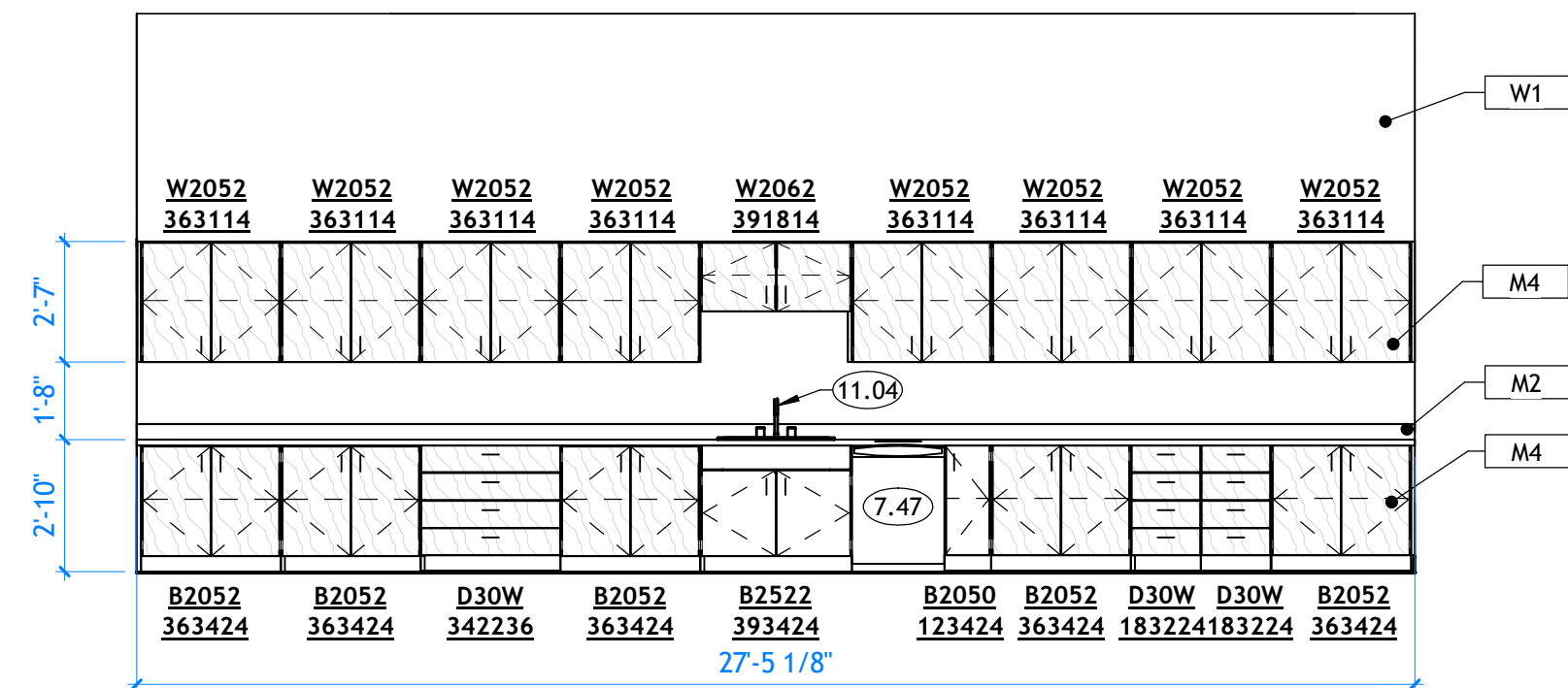


KITCHENETTE 203 - A  
A983 | SCALE: 1/4" = 1'-0"

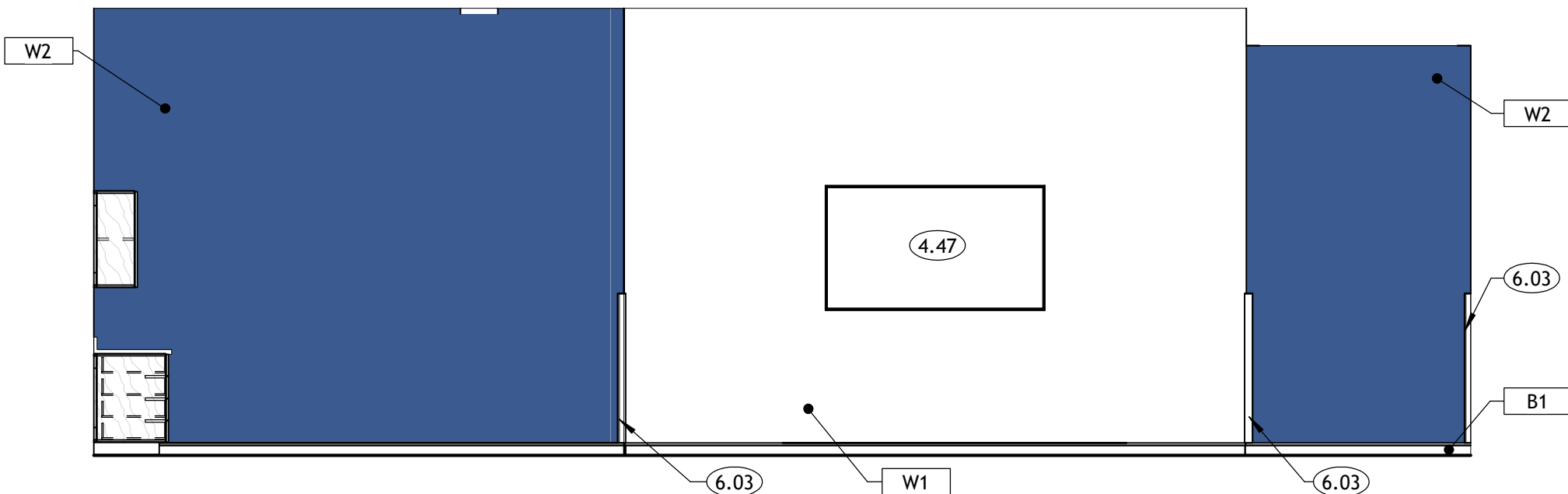
KITCHENETTE 203 - B  
A983 | SCALE: 1/4" = 1'-0"



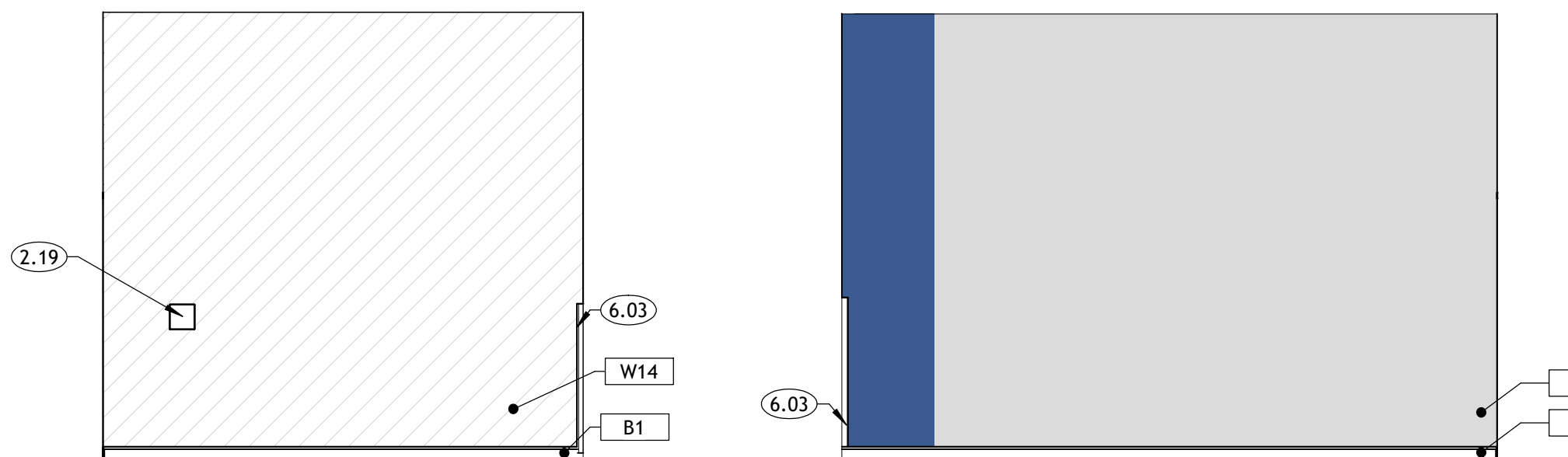
KITCHENETTE 203 - C  
A983 | SCALE: 1/4" = 1'-0"



KITCHENETTE 203 - D  
A983 | SCALE: 1/4" = 1'-0"



KITCHENETTE 203 - E  
A983 | SCALE: 1/4" = 1'-0"



KITCHENETTE 203 - F  
A983 | SCALE: 1/4" = 1'-0"

KITCHENETTE 203 - G  
A983 | SCALE: 1/4" = 1'-0"

### KEYNOTES

- 2.19 ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
- 4.47 TELEVISION (CPCI). CONTRACTOR TO PROVIDE BACKING NEEDED FOR MOUNTING AND TO ROUGH IN POWER AND DATA FOR TELEVISION. SEE ELECTRICAL FOR POWER AND DATA LOCATIONS.
- 6.03 4" TALL STAINLESS STEEL CORNER GUARD
- 6.58 PROVIDE 3/4" END PANEL. TO MATCH SCHEDULED MILLWORK FINISH
- 7.15 REFRIGERATOR WITH FREEZER (N.I.C.)
- 7.47 ADA HEIGHT DISHWASHER (OFCI).
- 11.04 SINK. SEE PLUMBING.

### FLOOR FINISHES

F1	RUBBER FLOORING TYPE 1
F2	RUBBER FLOORING TYPE 2
F3	EPOXY PAINTED CONCRETE
F4	TURF TYPE 1
F5	TURF TYPE 2
F6	TURF TYPE 3
F7	TURF TYPE 4
F8	EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9	LUXURY VINYL TILE
F10	ACCENT LUXURY VINYL TILE
F11	CARPET TILE
F12	ACCENT CARPET TILE
F13	PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

### FINISH LEGEND

CODE	MATERIAL
2-BASE FINISHES	
B1	1" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

### WALL FURNISHINGS LEGEND

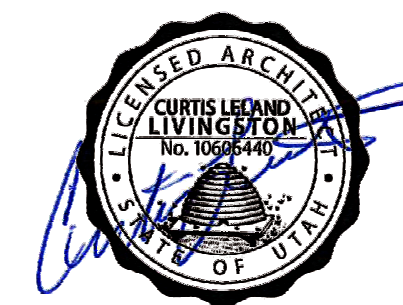
A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" x 36"	MIRROR
B2	48" x 72"	MIRROR
C1	24" x 72"	WALL PADDING
C2	18" x 72"	I-BEAM WALL PADDING
C3	10" x 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
\* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%.

### GENERAL NOTES

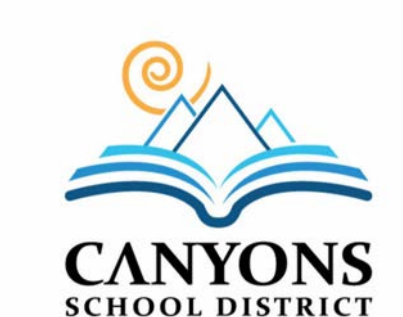
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- J. PROVIDE SCHLUTER-RONDIC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

### PROFESSIONAL STAMP



### CONSULTANT INFORMATION

### OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

### REVISIONS

DESCRIPTION	DATE

### PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

### DRAWING SET STATUS

### BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

### SHEET TITLE

ALTERNATE -  
ENLARGED  
V.I.P. SUITE

### SHEET NUMBER

A983



1  
A

B

C

D

E

2

3

4

5

6

7

KEYNOTES

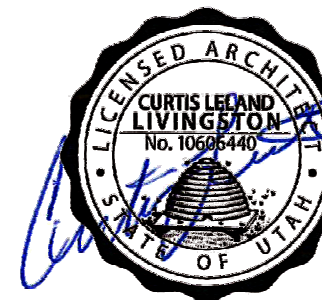
- 4.47 TELEVISION (CPCI), CONTRACTOR TO PROVIDE BACKING NEEDED FOR MOUNTING AND TO ROUGH IN POWER AND DATA FOR TELEVISION. SEE ELECTRICAL FOR POWER AND DATA LOCATIONS.
- 6.03 4" TALL STAINLESS STEEL CORNER GUARD



233 SOUTH PLEASANT GROVE BLVD.  
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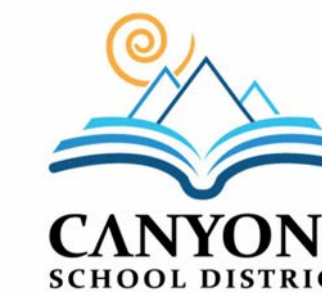
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PROFESSIONAL STAMP



CONSULTANT INFORMATION

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

Δ DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
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PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

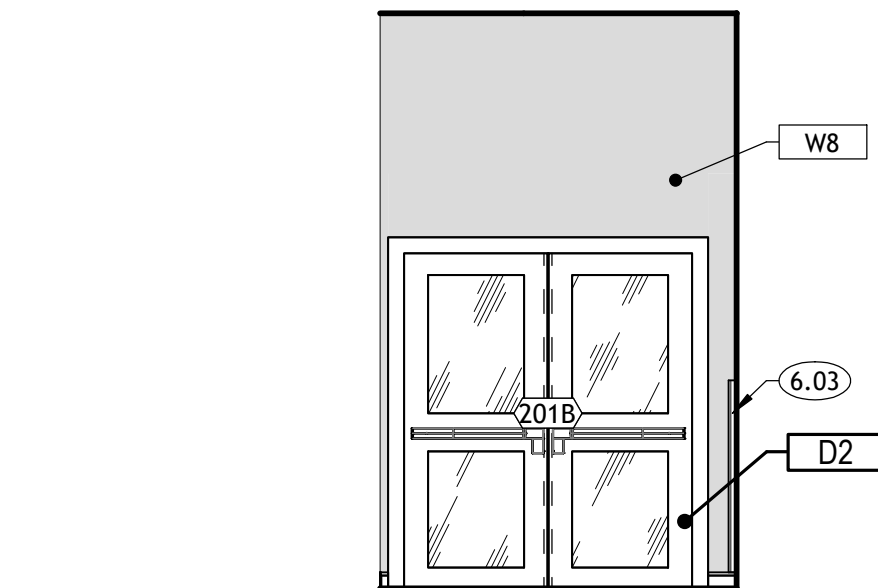
**ALTERNATE -  
ENLARGED  
V.I.P. SUITE**

SHEET NUMBER

**A984**

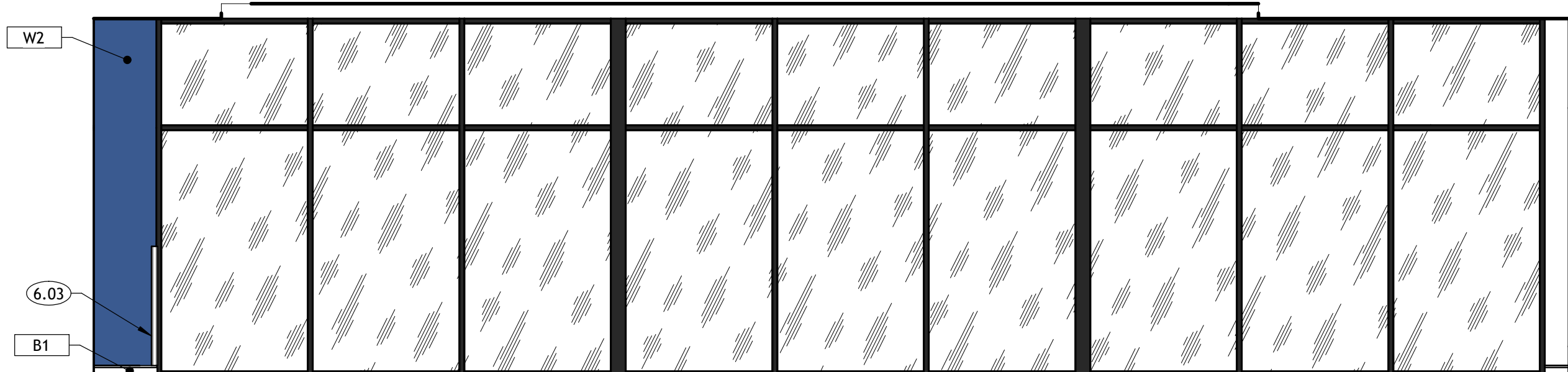
**A4** 2 - c

A984 | SCALE: 1/4" = 1'-0"



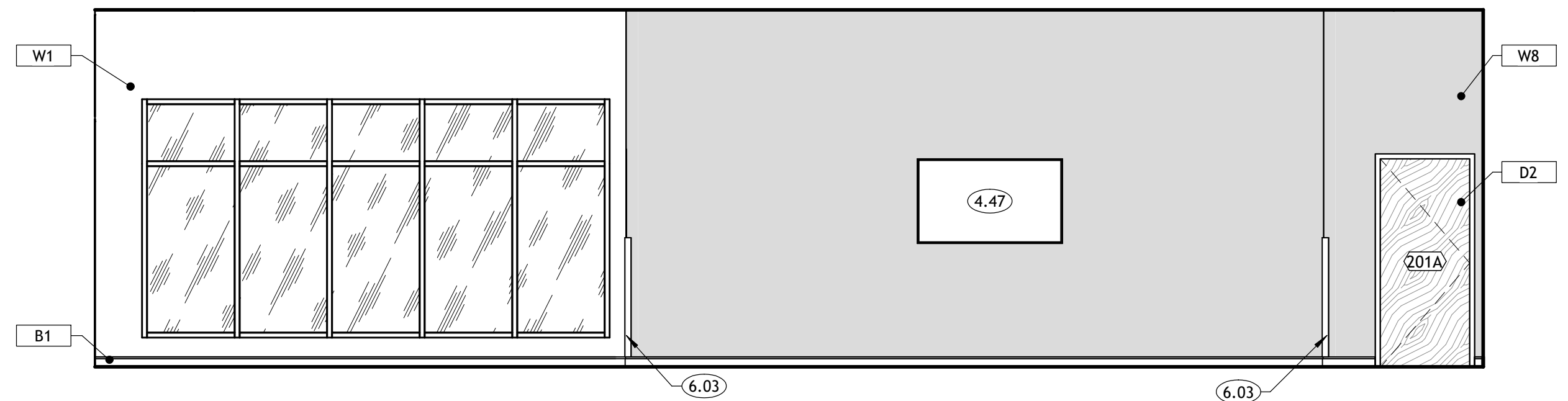
**B4** V.I.P. SUITE 201 - A

A984 | SCALE: 1/4" = 1'-0"



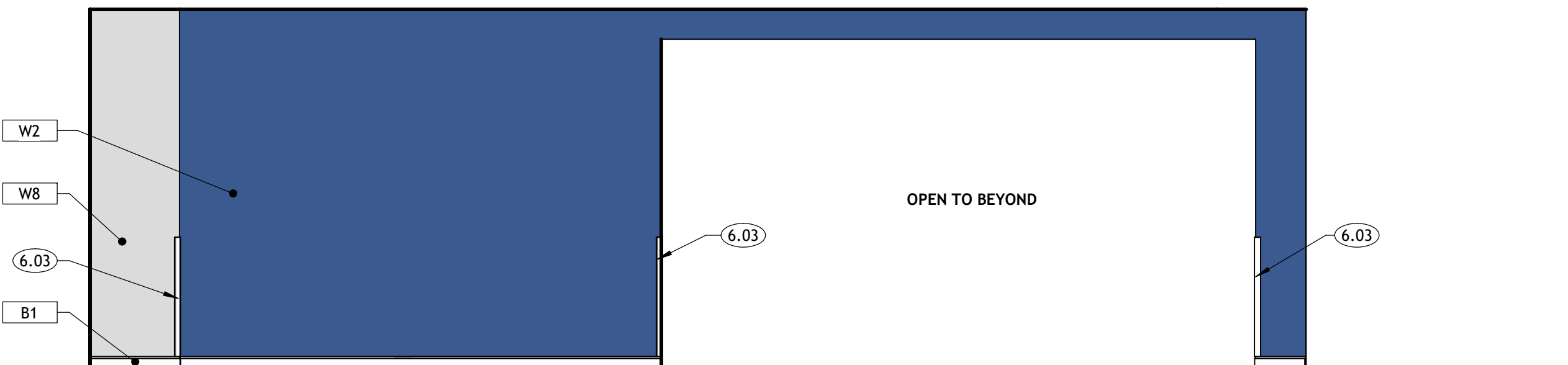
**C4** V.I.P. SUITE 201 - B

A984 | SCALE: 1/4" = 1'-0"



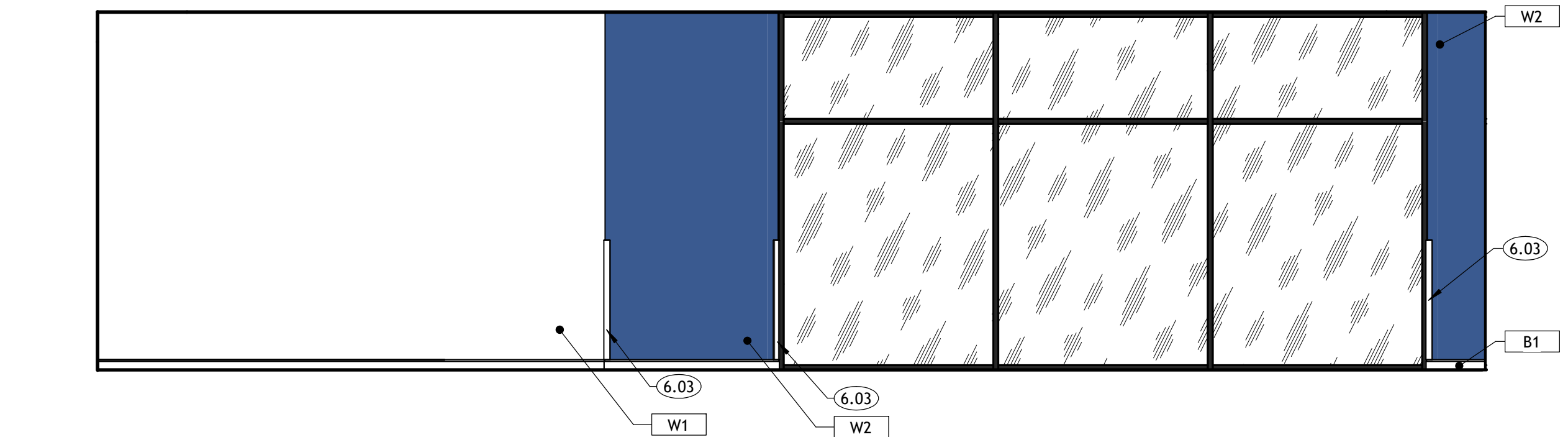
**D4** V.I.P. SUITE 201 - C

A984 | SCALE: 1/4" = 1'-0"



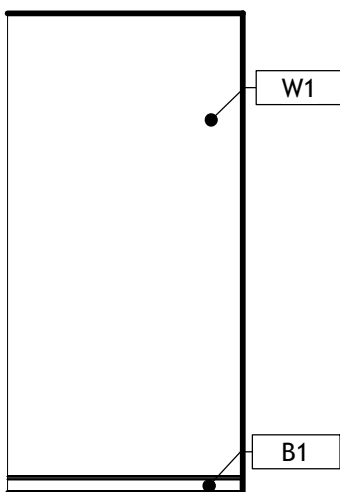
**E4** V.I.P. SUITE 201 - D

A984 | SCALE: 1/4" = 1'-0"



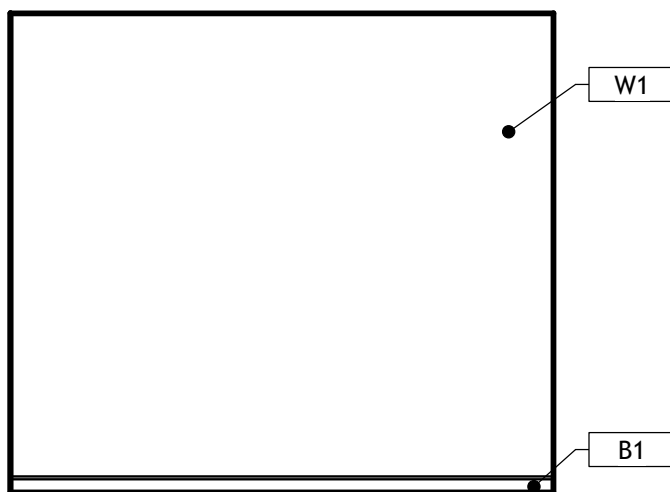
**D1** STORAGE 203B - A

A984 | SCALE: 1/4" = 1'-0"



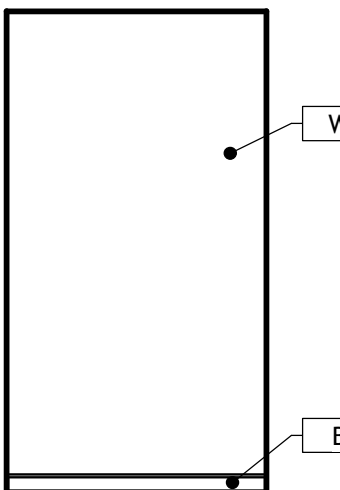
**D2** STORAGE 203B - B

A984 | SCALE: 1/4" = 1'-0"



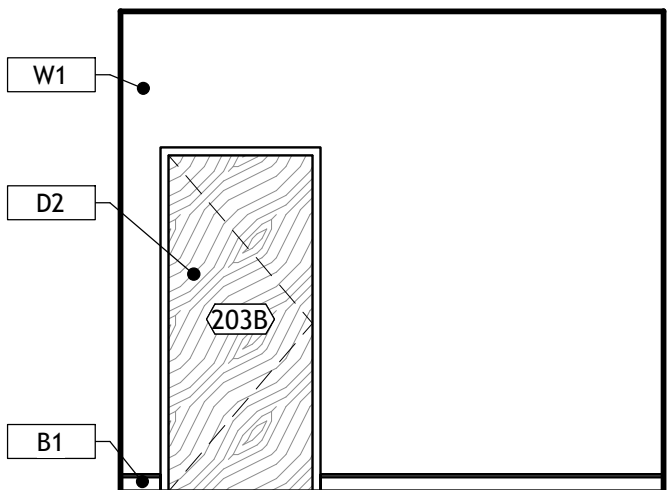
**E1** STORAGE 203B - C

A984 | SCALE: 1/4" = 1'-0"



**E2** STORAGE 203B - D

A984 | SCALE: 1/4" = 1'-0"



FLOOR FINISHES		
F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9		LUXURY VINYL TILE
F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

**FINISH LEGEND**

CODE	MATERIAL
2-BASE FINISHES	
B1	1" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

**WALL FURNISHINGS LEGEND**

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
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GENERAL NOTES

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- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
- D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
- E. SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
- F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
- G. ALL MILLWORK NUMBERS NOTED ARE TM SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- H. FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
- I. IN ADDITION TO TM SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- J. PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS



A

B

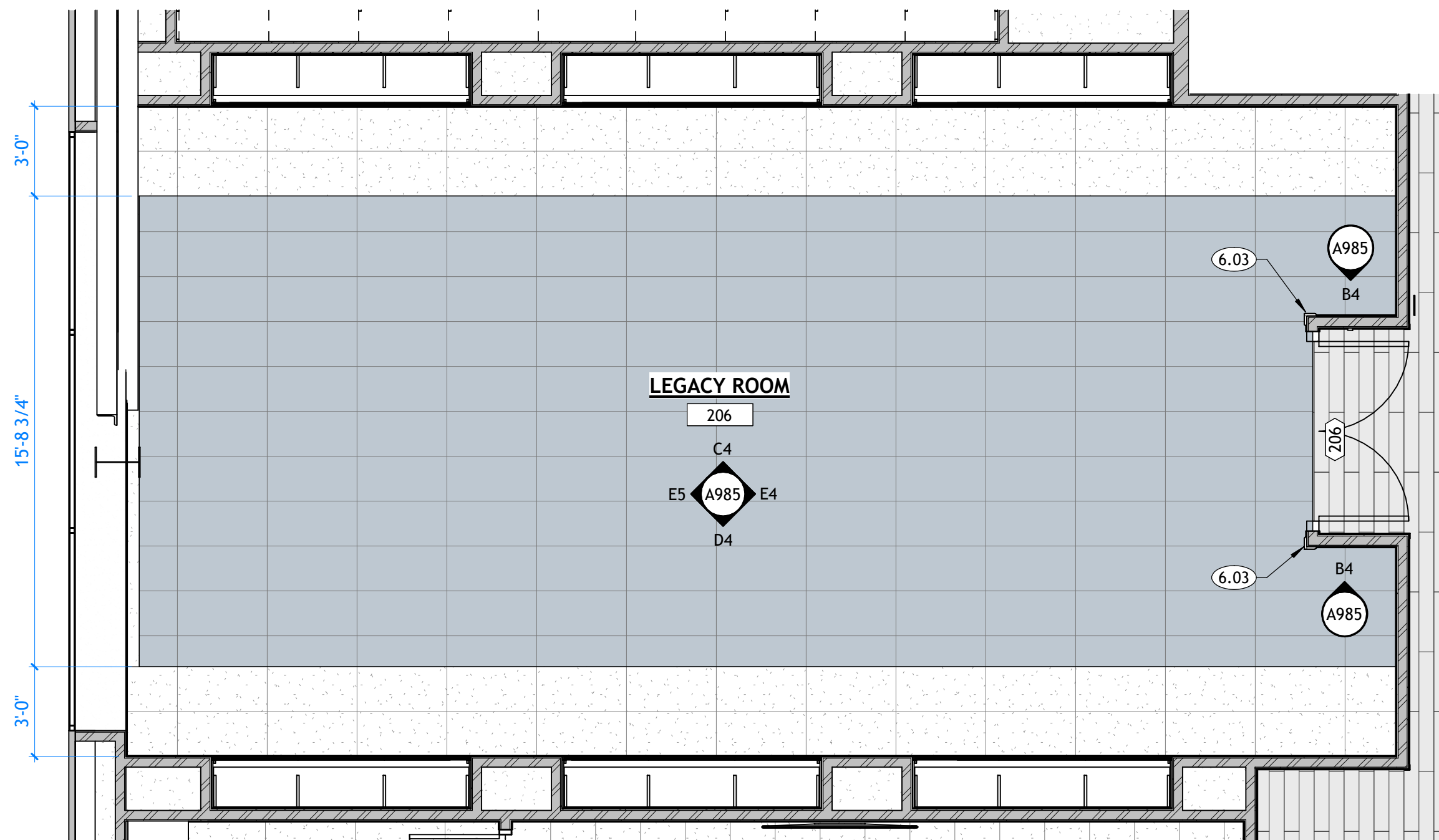
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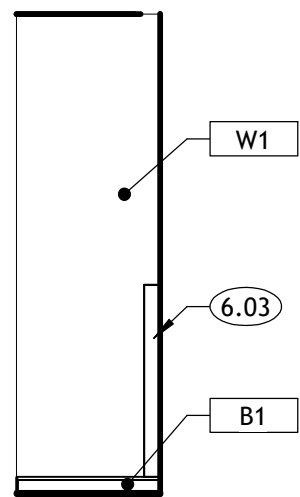
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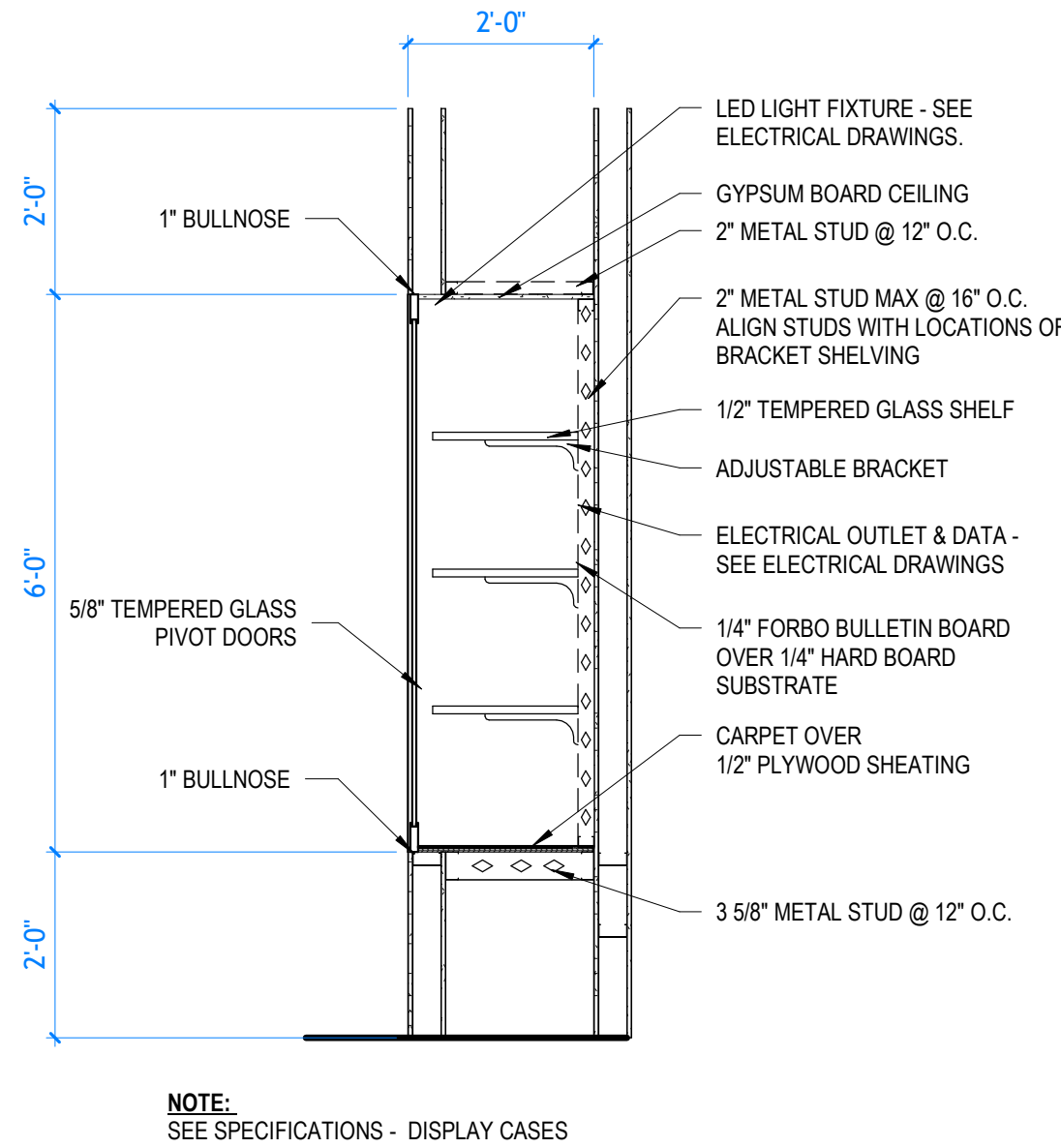
ENLARGED LEGACY ROOM - ALTERNATIVE  
A985 | SCALE: 1/4" = 1'-0"



**B4** LEGACY ROOM 206  
A985 | SCALE: 1/4" = 1'-0"

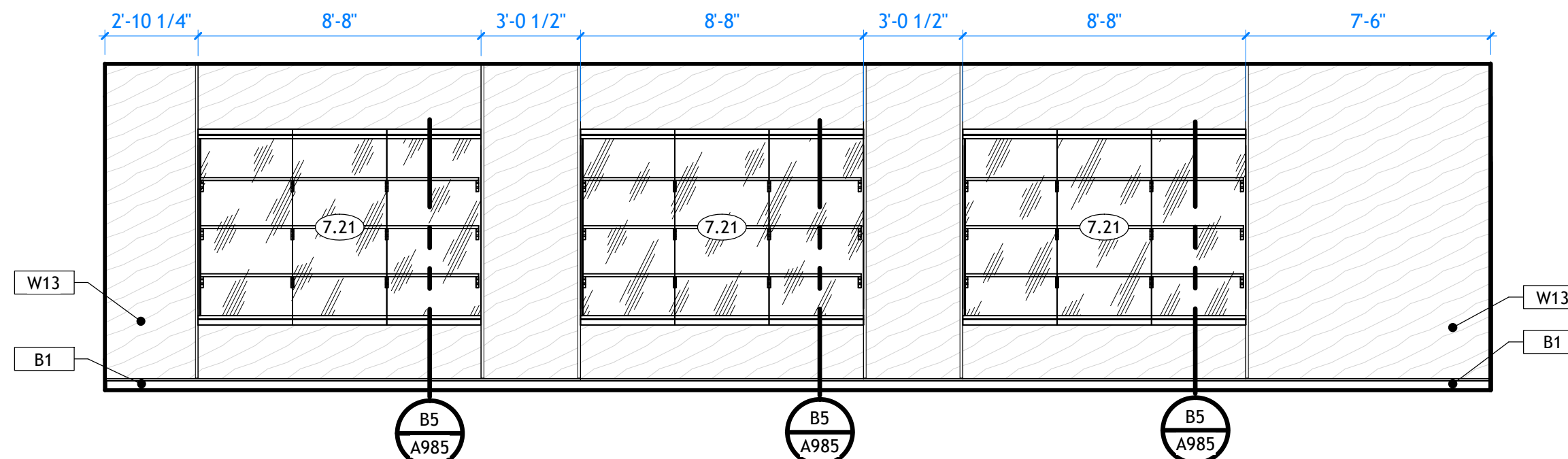


**B5** LEGACY ROOM DISPLAY CASES  
A985 | SCALE: 1/2" = 1'-0"

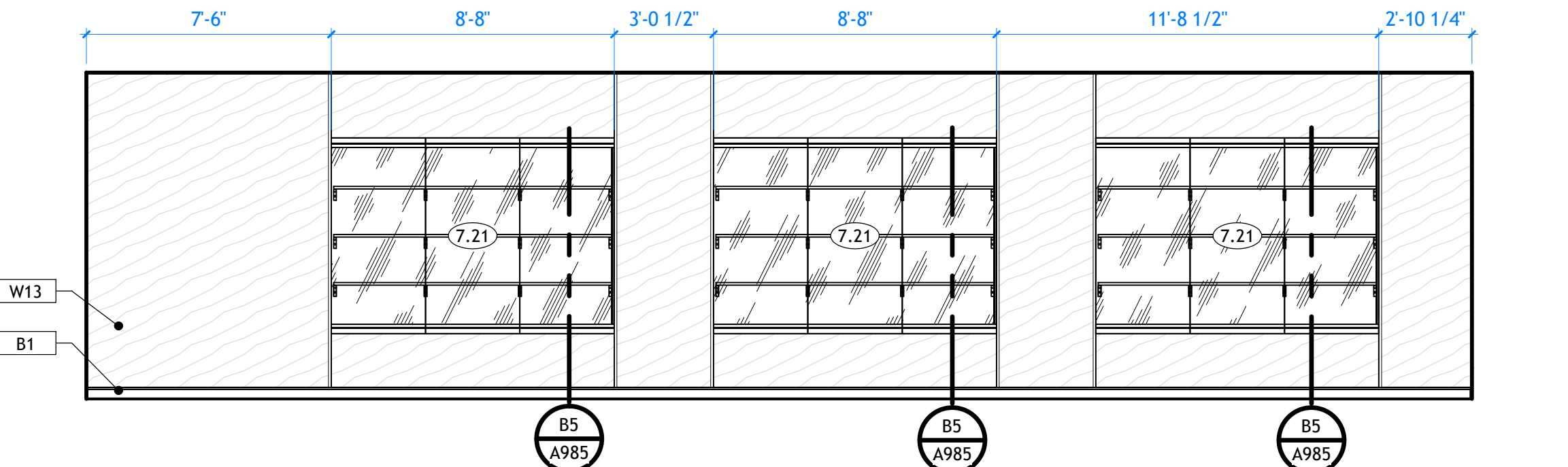


NOTE:  
SEE SPECIFICATIONS - DISPLAY CASES

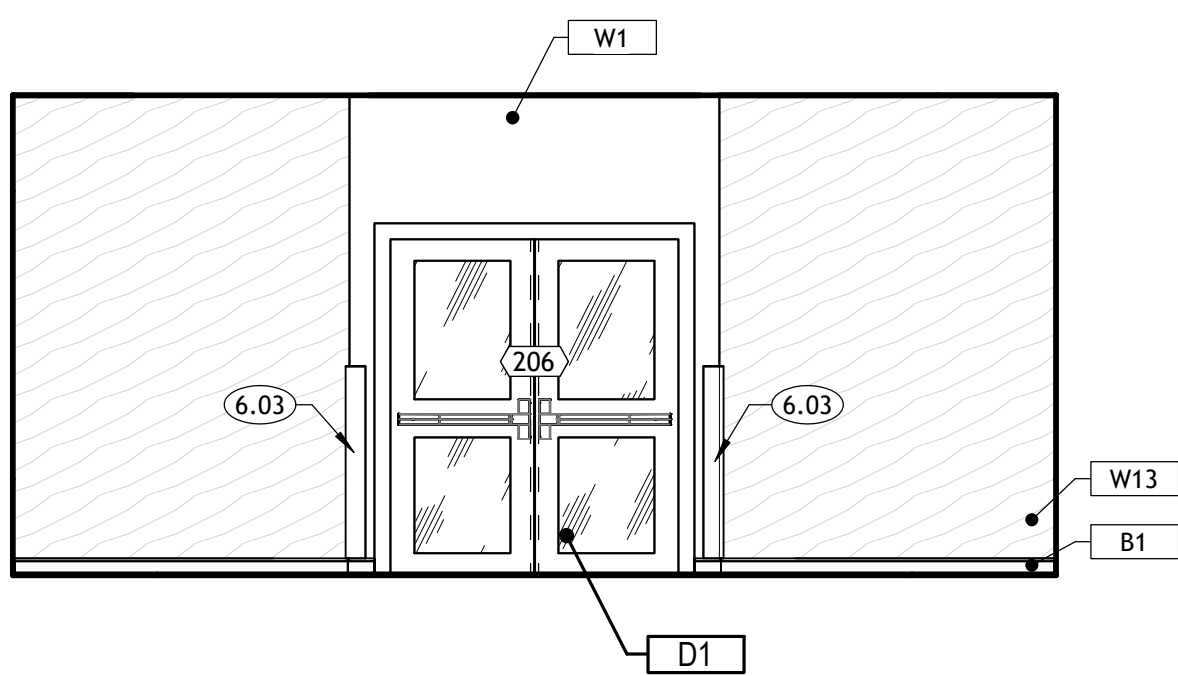
**C4** LEGACY ROOM 206 - A  
A985 | SCALE: 1/4" = 1'-0"



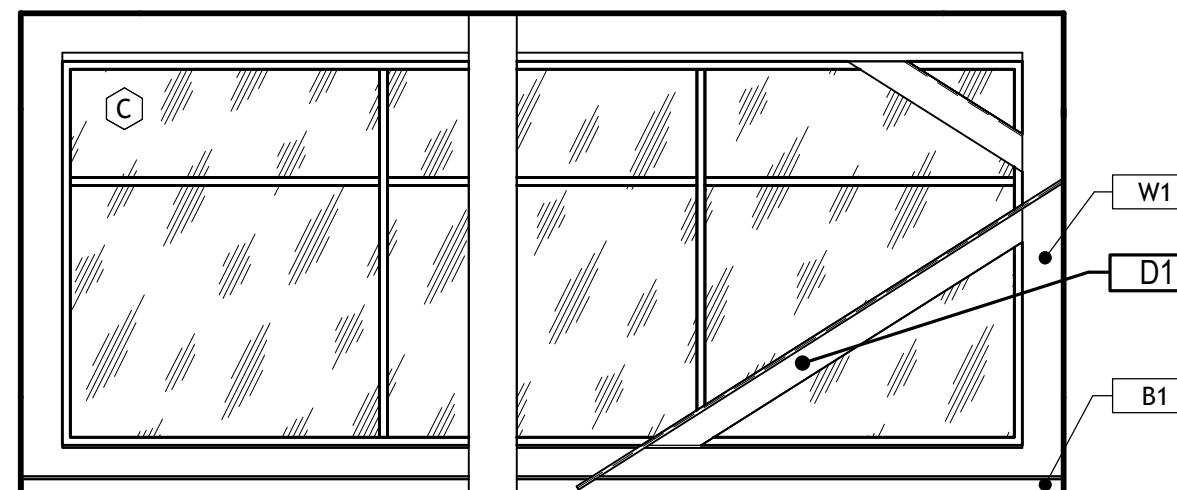
**D4** LEGACY ROOM 206 - D  
A985 | SCALE: 1/4" = 1'-0"



**E4** LEGACY ROOM 206 - C  
A985 | SCALE: 1/4" = 1'-0"



**E5** LEGACY ROOM 206 - E  
A985 | SCALE: 1/4" = 1'-0"



#### KEYNOTES

6.03 4" TALL STAINLESS STEEL CORNER GUARD  
7.21 DISPLAY CASE. SEE SPECIFICATIONS.

#### FLOOR FINISHES

F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9		LUXURY VINYL TILE
F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

#### FINISH LEGEND

CODE	MATERIAL
2-BASE FINISHES	
B1	6" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

#### WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
\* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%.

#### GENERAL NOTES

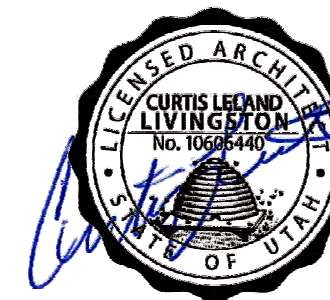
- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- INTERIOR DRYWALL CORNERS TO BE SQUARE.
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- PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
- ALL MILLWORK NUMBERS NOTED ARE TM SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
- FINISH ALL EXTERIOR TILE CORNERS WITH SCHLUTER ECK - K.
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- PROVIDE SCHLUTER-RONDEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS.



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

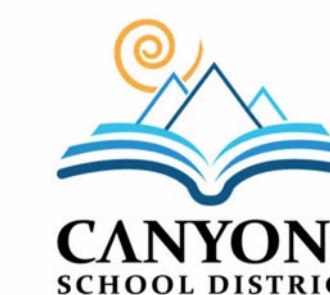
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#### PROFESSIONAL STAMP



#### CONSULTANT INFORMATION

#### OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

#### REVISIONS

DESCRIPTION	DATE

#### PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

#### DRAWING SET STATUS

#### BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

#### SHEET TITLE

**ALTERNATE -  
ENLARGED  
LEGACY ROOM**

#### SHEET NUMBER

**A985**







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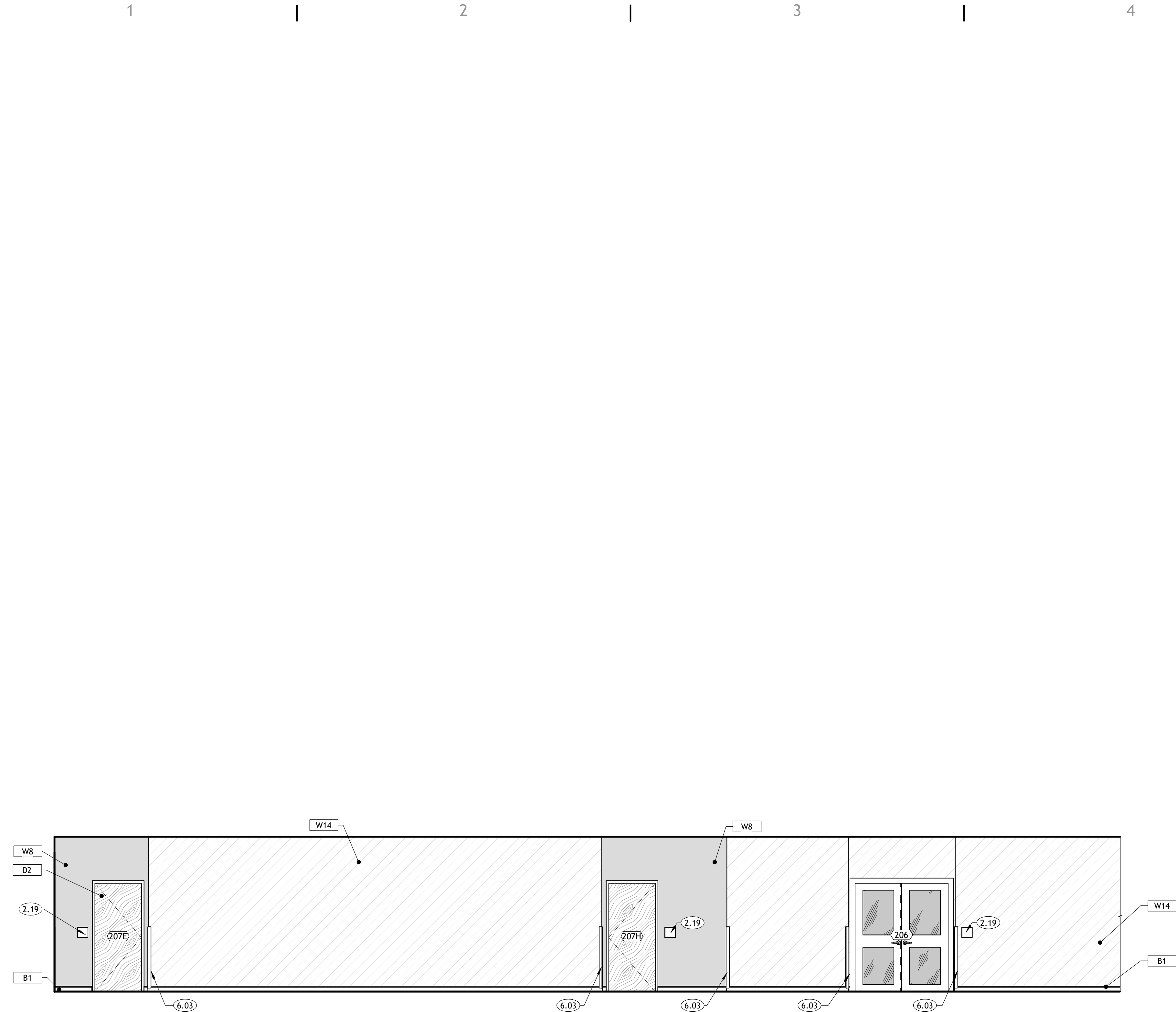
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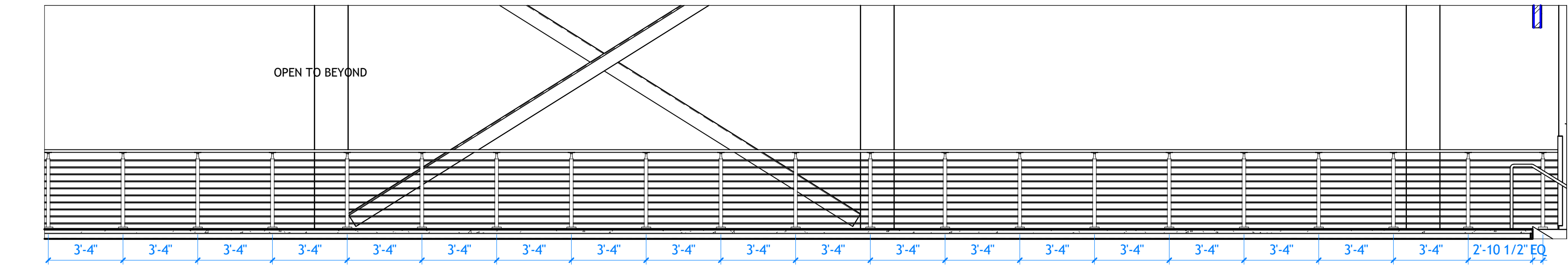
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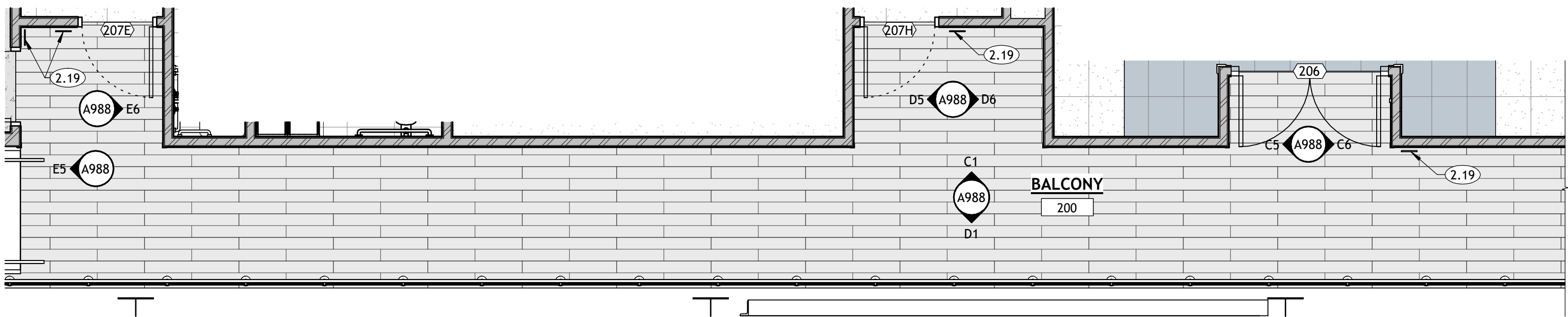
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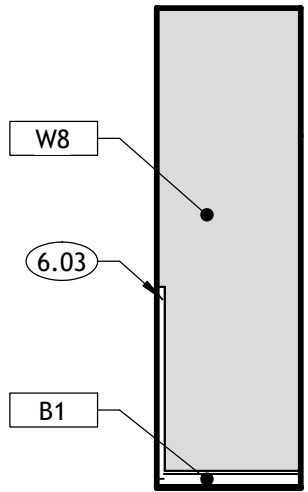
**C1 BALCONY 200 - C**  
A988 | SCALE: 1/4" = 1'-0"



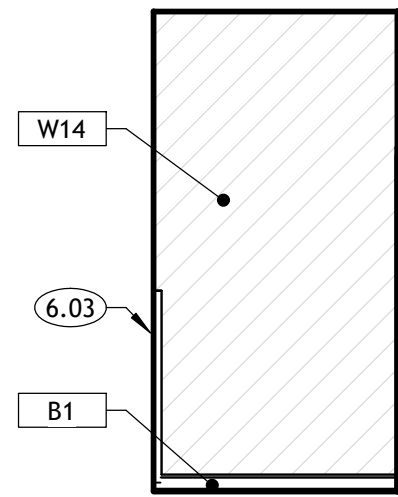
**D1 BALCONY 200 - D**  
A988 | SCALE: 1/4" = 1'-0"



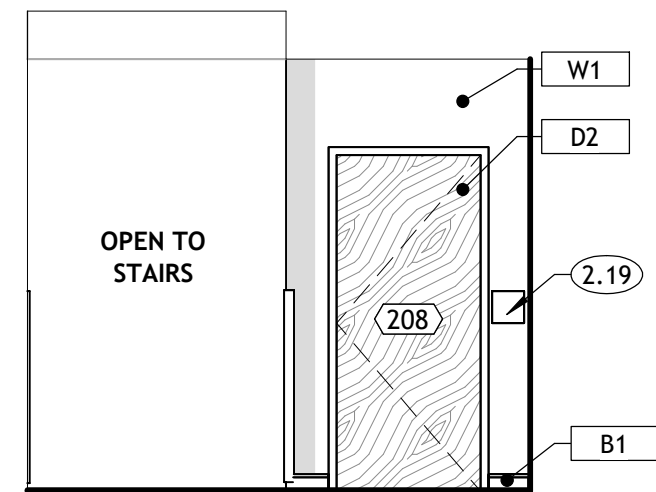
**ENLARGED BALCONY - ALTERNATIVE**  
A988 | SCALE: 1/4" = 1'-0"



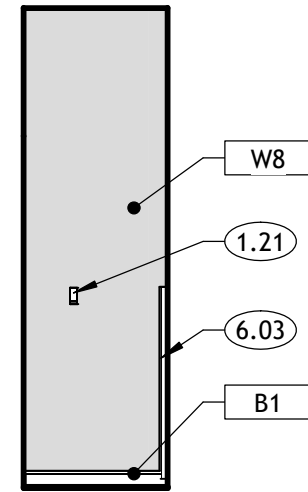
**C5 BALCONY**  
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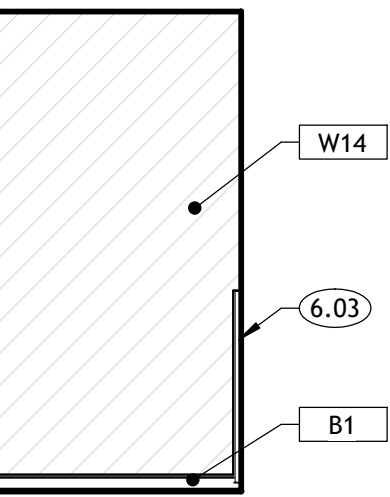
**D5 BALCONY**  
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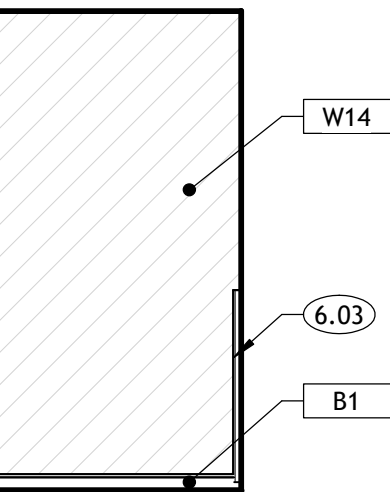
**E5 BALCONY 200 - A**  
A988 | SCALE: 1/4" = 1'-0"



**C6 BALCONY**  
A988 | SCALE: 1/4" = 1'-0"



**D6 BALCONY**  
A988 | SCALE: 1/4" = 1'-0"

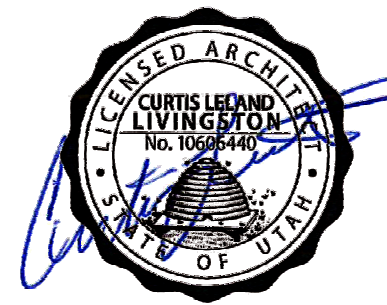


**E6 BALCONY**  
A988 | SCALE: 1/4" = 1'-0"

KEYNOTES

- 1.21 DIGITAL CARD READER. SEE SPECIFICATIONS.  
2.19 SUITE #105  
ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE.  
SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS  
AND DETAILS.  
6.03 4 TALL STAINLESS STEEL CORNER GUARD

PROFESSIONAL STAMP



CONSULTANT INFORMATION

FLOOR FINISHES

F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9		LUXURY VINYL TILE
F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND

CODE	MATERIAL
2-BASE FINISHES	
B1	1" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

WALL FURNISHINGS LEGEND

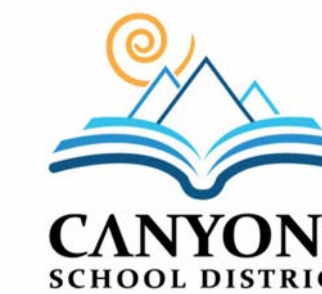
A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

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I. IN ADDITION TO TMI SYSTEMS SELECT MILLWORK NUMBERS NOTED ARE KEWAUNEE. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS OF KEWAUNEE MILLWORK AND OTHER MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.  
J. PROVIDE SCHLUTER-RONDIC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE -  
ENLARGED  
BALCONY

SHEET NUMBER

A988



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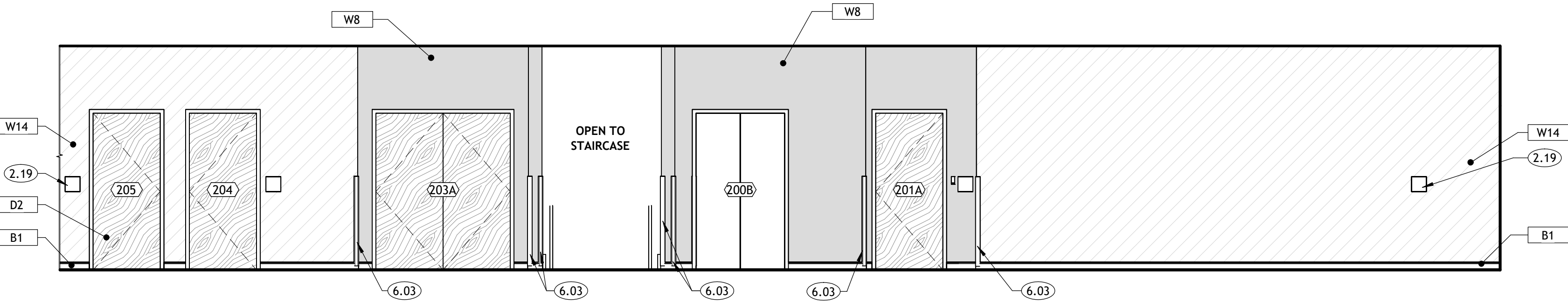
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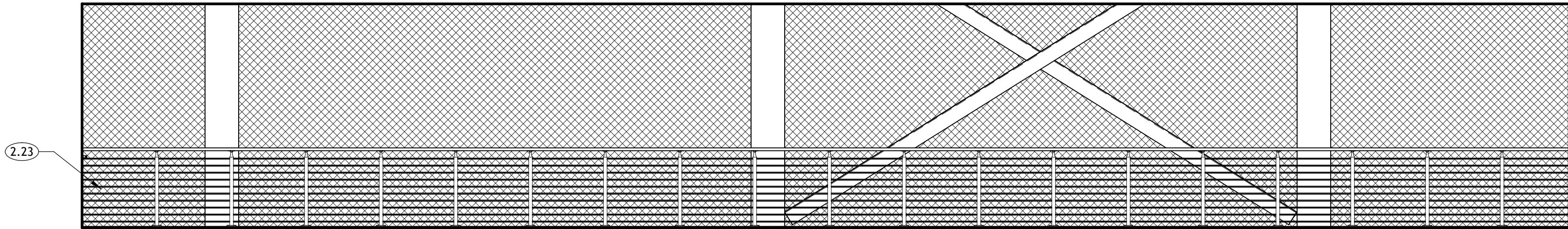
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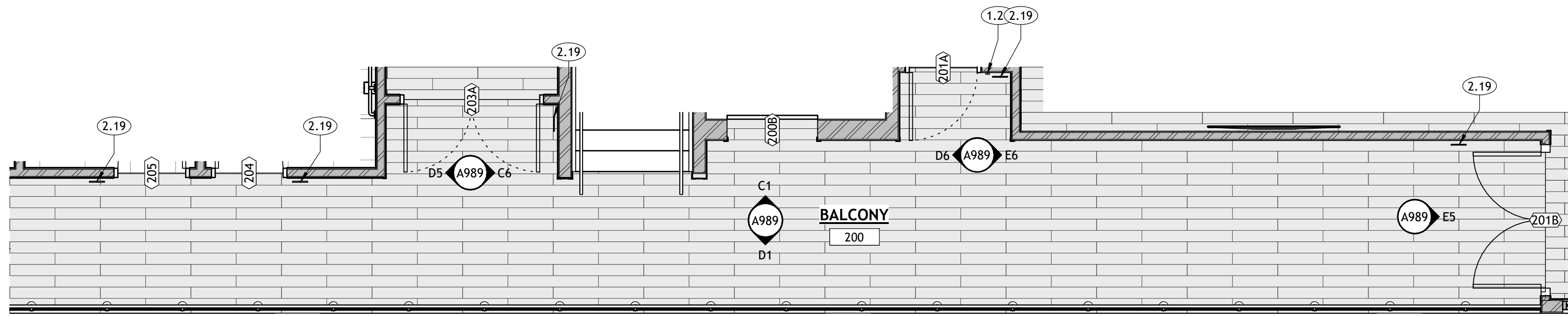
UPPER FLOOR FURNISHINGS PLAN - ALTERNATIVE - 2  
A989 | SCALE: 1/4" = 1'-0"



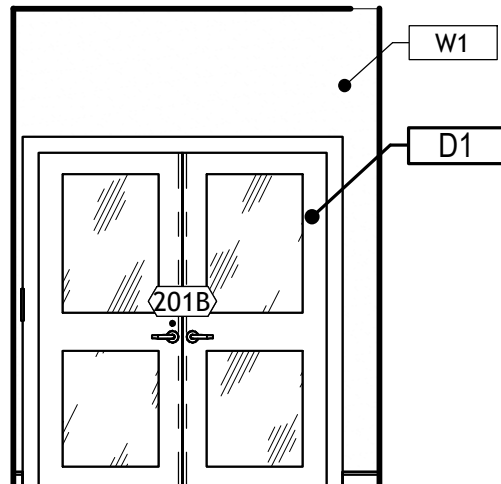
C1 1 - a  
A989 | SCALE: 1/4" = 1'-0"



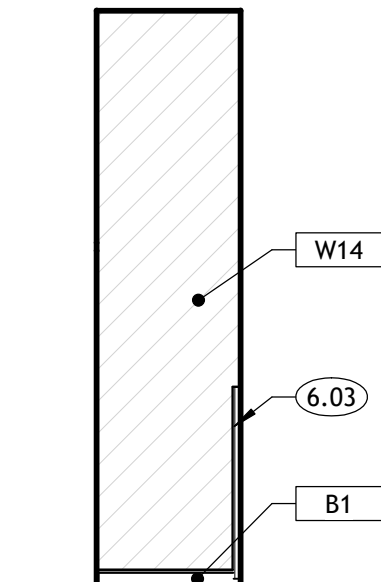
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A989 | SCALE: 1/4" = 1'-0"



E5 BALCONY 200 - B  
A989 | SCALE: 1/4" = 1'-0"

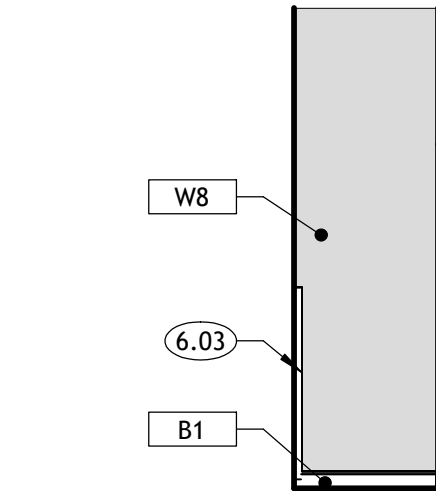


D5 BALCONY  
A989 | SCALE: 1/4" = 1'-0"

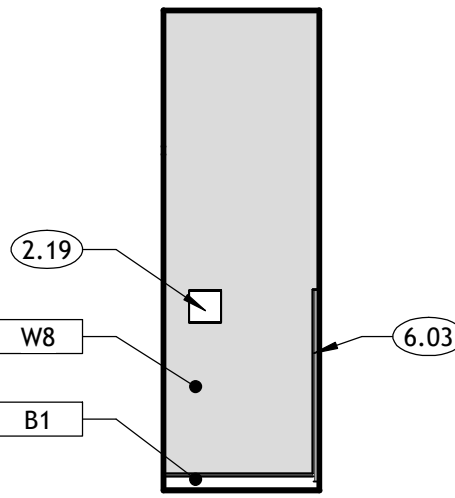


E6 BALCONY  
A989 | SCALE: 1/4" = 1'-0"

D6 BALCONY  
A989 | SCALE: 1/4" = 1'-0"



C6 ENLARGED BALCONY  
A989 | SCALE: 1/4" = 1'-0"



C6 ENLARGED BALCONY  
A989 | SCALE: 1/4" = 1'-0"

## KEYNOTES

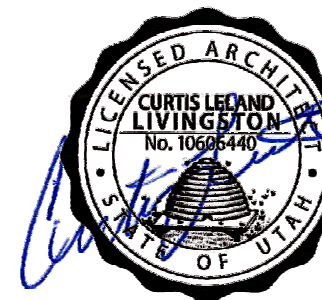
- 1.21 DIGITAL CARD READER. SEE SPECIFICATIONS.
- 2.19 SUITE #105 ROOM SIGNAGE. EACH ROOM DOOR/OPENING TO RECEIVE SIGNAGE. SOME ROOMS MAY RECEIVE MORE THAN ONE SIGN. SEE FLOOR PLANS AND DETAILS.
- 2.23 PAINTED STEEL GUARDRAIL. 42" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS.
- 6.03 4 TALL STAINLESS STEEL CORNER GUARD



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
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core@corearch.com

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PROFESSIONAL STAMP



CONSULTANT INFORMATION



FLOOR FINISHES		
F1		RUBBER FLOORING TYPE 1
F2		RUBBER FLOORING TYPE 2
F3		EPOXY PAINTED CONCRETE
F4		TURF TYPE 1
F5		TURF TYPE 2
F6		TURF TYPE 3
F7		TURF TYPE 4
F8		EXISTING RUBBER FLOORING TO REMAIN, PATCH AND REPAIR WHERE NEEDED
F9		LUXURY VINYL TILE
F10		ACCENT LUXURY VINYL TILE
F11		CARPET TILE
F12		ACCENT CARPET TILE
F13		PORCELAIN FLOOR TILE

SEE A802 FOR FINISHES

FINISH LEGEND	
CODE	MATERIAL
2-BASE FINISHES	
B1	1" RUBBER BASE
B2	CORRESPONDING TILE BASE
3-WALL FINISH	
W1	GENERAL PAINT
W2	ACCENT PAINT
W3	PORCELAIN WALL TILE
W4	CERAMIC WALL TILE
W5	EPOXY PAINTED CONCRETE
W6	PORCELAIN WALL TILE
W7	WALL PADDING
W8	ACCENT PAINT 2
W9	ACCENT PAINT 3
W10	PAINTED METAL STRUCTURE
W11	FIELD METAL PAINT
W12	DIAMOND PLATE
W13	PLASTIC LAMINATE WALL PANELS
W14	TEXTILE WALLCOVERING
4-MILLWORK FINISHES	
M1	PLASTIC LAMINATE MILLWORK
M2	PLASTIC LAMINATE COUNTERTOP
M3	SOLID SURFACE
M4	PLASTIC LAMINATE MILLWORK
5-CEILING FINISH	
CL1	PAINTED GYPSUM BOARD
CL2	ACOUSTIC CEILING TILE
CL3	PAINTED STRUCTURE
6-DOOR FINISHES	
D1	PAINTED METAL DOOR & TRIM
D2	WOOD DOOR & PAINTED METAL TRIM

## WALL FURNISHINGS LEGEND

A1	6'-0" x 4'-0"	MARKER BOARD
A2	12'-0" x 4'-0"	MARKER BOARD
B1	24" X 36"	MIRROR
B2	48" X 72"	MIRROR
C1	24" X 72"	WALL PADDING
C2	18" X 72"	I-BEAM WALL PADDING
C3	10" X 132"	CROSS BEAM WALL PADDING

NOTE: COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION  
\* ALL SHADES IN MAIN AND AUXILIARY GYMS TO BE 1% TRANSMISSION, ALL OTHERS TO BE 5%

## GENERAL NOTES

- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- INTERIOR DRYWALL CORNERS TO BE SQUARE.
- WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC. FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
- SEE DETAILS ON SHEET A003 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
- PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C3/A003 & D6/A003.
- ALL MILLWORK NUMBERS NOTED ARE TMI SYSTEMS. COORDINATE BETWEEN ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR MISCELLANEOUS ITEMS THAT MAY ONLY BE SHOWN ON ONE OR THE OTHER.
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- PROVIDE SCHLUTER-RONDIC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS		
Δ	DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ALTERNATE -  
ENLARGED  
BALCONY

SHEET NUMBER

A989



A

B

C

D

E

1

2

3

4

5

6

7

KEYNOTES

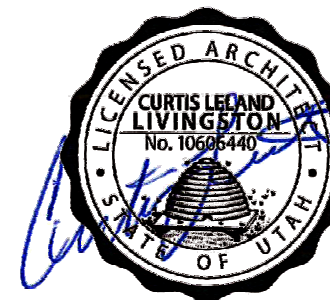
- 1.06 ADA COMPLIANT 36" HORIZONTAL GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
- 1.09 ADA COMPLIANT GRAB BAR. SEE DETAILS AND SPECIFICATIONS.
- 1.10 ADA COMPLIANT SHOWER HEAD AND CONTROLS. SEE DETAILS AND SPECIFICATIONS.
- 1.11 ADA COMPLIANT FOLD-UP SHOWER SEAT AND SHOWER GRAB BARS. SEE DETAILS AND SPECIFICATIONS.
- 2.21 SHOWER CURTAIN AND ROD. SEE SPECIFICATIONS.
- 2.50 METAL GRID TEAM LOCKERS. SEE SPECIFICATIONS.
- 6.57 4" TALL STAINLESS STEEL CORNER GUARD. APPLY ON TOP OF SCHLUTER TILE EDGE PROTECTION
- 7.01 TOILET PAPER DISPENSER. PROVIDED BY OWNER. INSTALLED BY CONTRACTOR. SEE A003 FOR MOUNTING HEIGHTS
- 7.55 SOAP DISPENSER. OWNER PROVIDED. CONTRACTOR INSTALLED.
- 11.01 TOILET. SEE PLUMBING.
- 11.04 FLOOR DRAIN. SEE PLUMBING SCHEDULE. VERIFY LOCATION WITH PLUMBING. SLOPE FLOOR 1/4" PER 1'-0" TOWARD DRAIN.
- 11.05

CORE  
ARCHITECTURE

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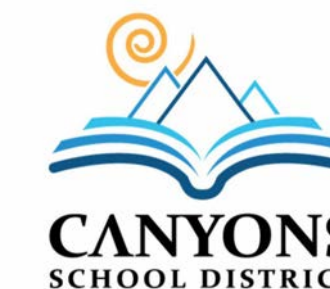
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- J. PROVIDE SCHLUTER-RODNEC CORNER PIECE WHERE TILE MEETS DOOR JAMBS

OWNER INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
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PIC: CLL

DRAWING SET STATUS

BID SET

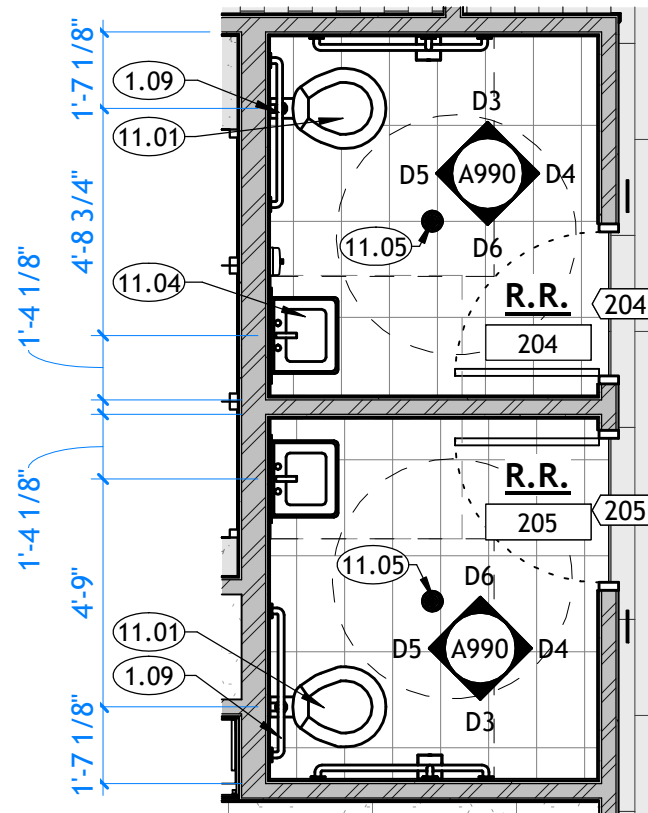
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SHEET TITLE

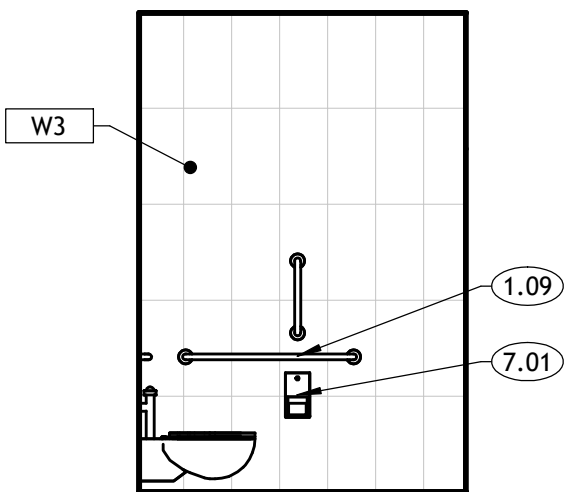
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ENLARGED  
RESTROOMS

SHEET NUMBER

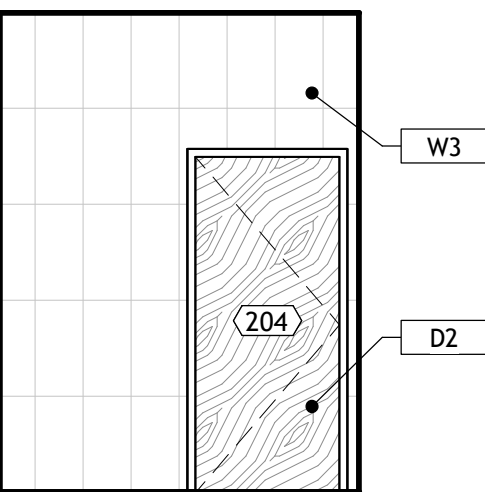
A990



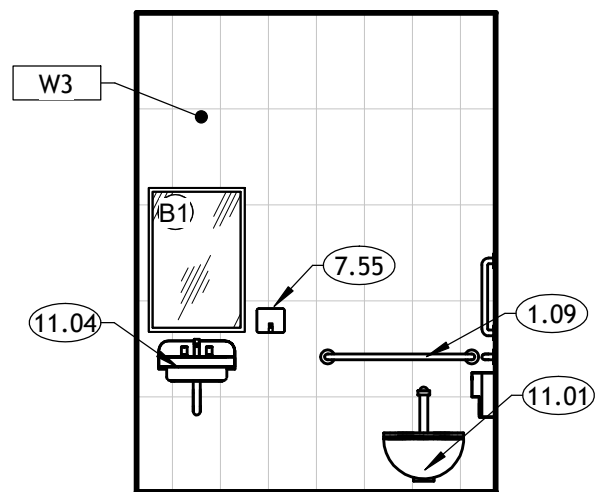
ENLARGED RESTROOM 204 & 205  
A990 SCALE: 1/4" = 1'-0"



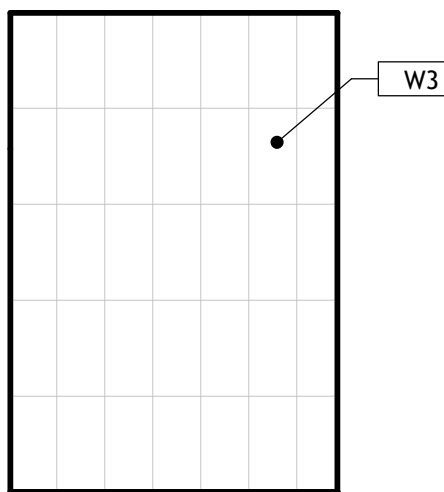
D3 RESTROOM 204 & 205 - A  
A990 SCALE: 1/4" = 1'-0"



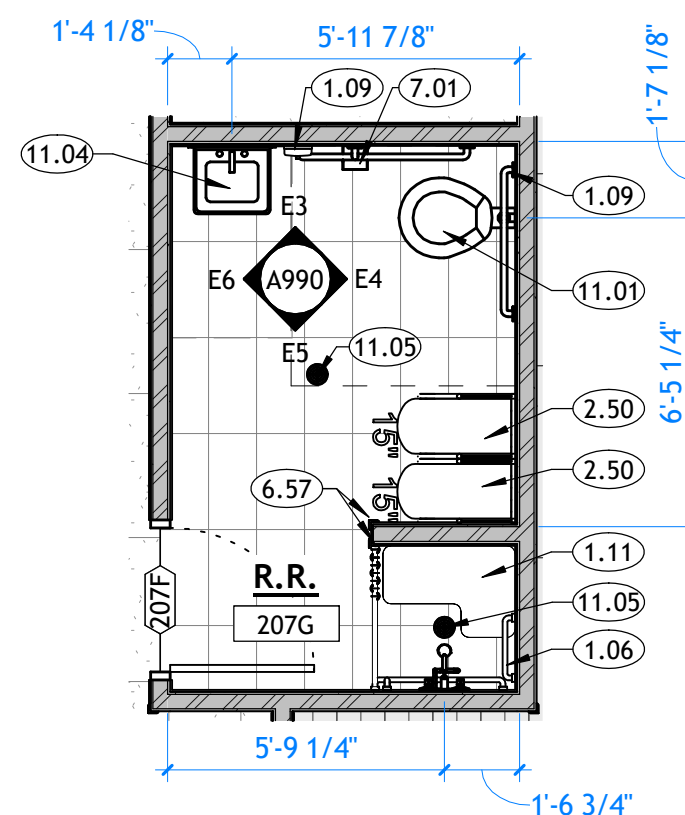
D4 RESTROOM 204 & 205 - B  
A990 SCALE: 1/4" = 1'-0"



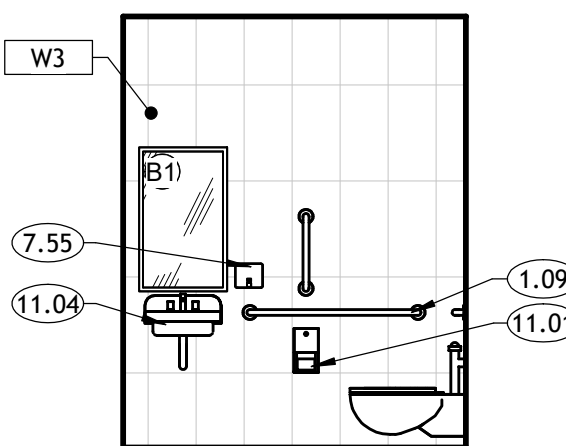
D5 RESTROOM 204 & 205 - C  
A990 SCALE: 1/4" = 1'-0"



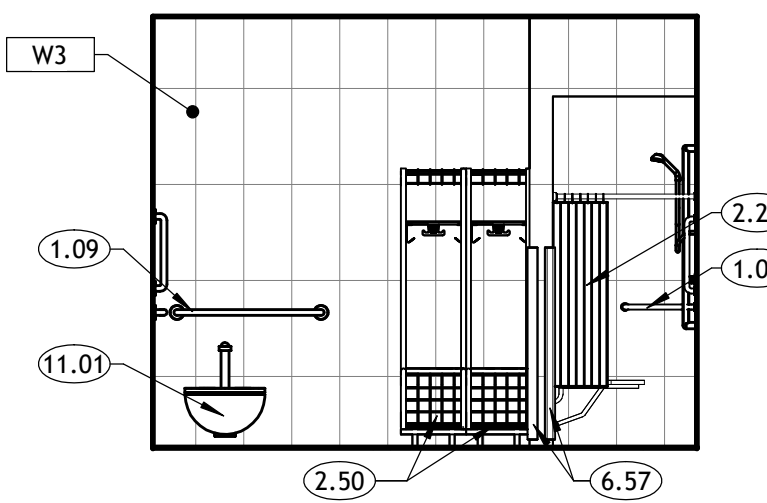
D6 RESTROOM 204 & 205 - D  
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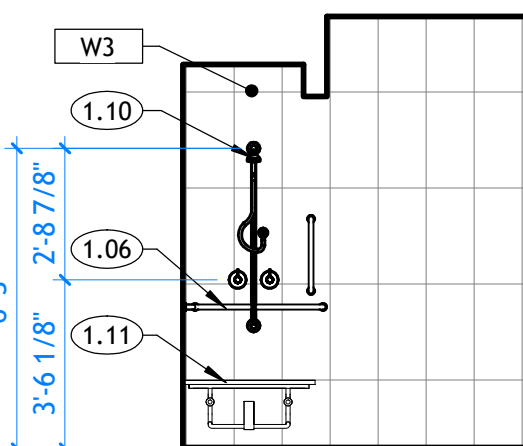
ENLARGED RESTROOM 207G  
A990 SCALE: 1/4" = 1'-0"



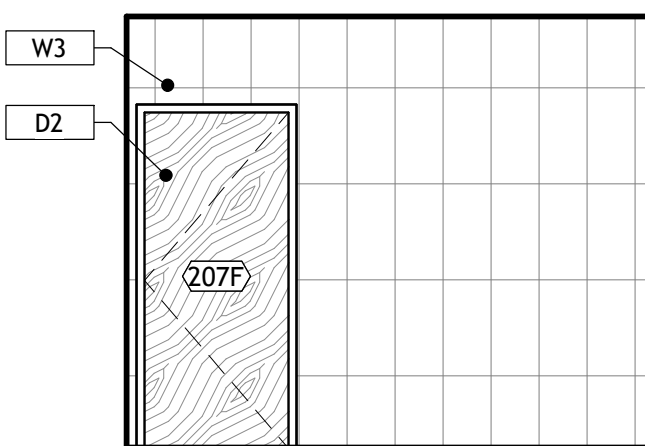
E3 RESTROOM 207G - A  
A990 SCALE: 1/4" = 1'-0"



E4 RESTROOM 207G - B  
A990 SCALE: 1/4" = 1'-0"



E5 RESTROOM 207G - C  
A990 SCALE: 1/4" = 1'-0"



E6 RESTROOM 207G - D  
A990 SCALE: 1/4" = 1'-0"



A

B

C

D

E

2

STRUCTURAL DESIGN CRITERIA	
Risk Category:	III
Mezzanine(s):	
Dead Load:	DL = 65 PSF
Live Load(s):	
Corridors & Lobbies	LL = 80 PSF
Restrooms	LL = 60 PSF +15 PSF Partitions
Office	LL = 50 PSF +15 PSF Partitions
Light Storage	LL = 125 PSF
Assembly	LL = 100 PSF
Roof:	
Dead Load:	DL = 5 PSF (Assumed & to be verified by PEMB Designer)
	Collateral = 10 PSF
Ground Snow Load:	Pg = 32 PSF
Flat Roof Snow Load:	Pf = 25 PSF
Snow Exposure Factor:	Ce = 1.0
Snow Importance Factor:	I = 1.1
Thermal Factor:	Ct = 1.0
Rain Intensity:	i = 1.74 In/hr (9 PSF)
Wind:	
Basic Wind Speed:	V = 109 MPH (3 Sec Gust)
Importance Factor:	I = 1.0
Wind Exposure:	"C"
Internal Pressure Coeff:	GCp1 = 0.18(+)
Component and Cladding Pressure:	P = See Table Below

Components And Cladding Wind Pressures (PSF) Ultimate Design Loads				
Tributary Area	Typical Conditions		Corner Conditions	
	Positive Pressure	Negative Pressure	Positive Pressure	Negative Pressure
10 SF	-27 PSF	-29 PSF	-27 PSF	-36 PSF
50 SF	-24 PSF	-26 PSF	-24 PSF	-30 PSF
100 SF	-23 PSF	-25 PSF	-23 PSF	-28 PSF
500 SF	-20 PSF	-22 PSF	-20 PSF	-22 PSF

Seismic:		Equivalent Lateral Force	
Procedure:		SI = 0.55	
Site Class:		D	
Importance Factor:		I = 1.25	
Seismic Design Category:		D	
Spectral Response Accelerations:		Ss = 1.49	
		SD1 = 0.64	
Spectral Response Coeff:		SDS = 0.99	
		SD1 = 0.64	
Basic Seismic-Force-Resisting System:		PEMB Design By Others	
Pre-Engineered Metal Building:		Steel Ordinary Moment Frames	
		R=3.5, Omega=3.0, Cd=3.0, Cs=0.354	
		Steel Ordinary Concentrically Braced Frames	
		R=3.25, Omega=2.0, Cd=3.25, Cs=0.391	
Mezzanine:		Steel Ordinary Concentrically Braced Frames	
		R=3.25, Omega=2.00, Cd=3.25, Cs=0.381	
		Seismic Base Shear = 249 KIPS	

PERMITTED STORY DRIFTS OF PEMB STRUCTURE			
Level	Story Height	Elastic	Inelastic
MEZZANINE	15'-4"	1.06"	3.45"
HIGH ROOF	19'-8"	1.36"	4.43"

Soils:  
Net Allowable Soil Pressure = 1500 PSF, per Soils Report by AGEC,  
Project Number 1240393, Dated July 30, 2024.

#### GENERAL

- All details, sections, and notes shown on the drawings are intended to be typical and shall apply to similar situations elsewhere unless noted or shown otherwise. Notes and details on drawings shall take precedence over these General Notes. General Notes shall take precedence over the Specifications.
- Refer to the Specifications for information not covered by these General Notes or the Structural Drawings.
- See the Architectural Drawings for dimensions, doors, windows, non-bearing interior and exterior walls, elevations, slopes, stairs, curbs, drains, recesses, depressions, railings, waterproofing, finishes, chamfers, kerfs, etc.
- All design, construction, and inspection shall be in conformance with the 2021 International Building Code (IBC) including all referenced standards therein.
- The Contractor shall verify all dimensions and conditions at the site.
- All omissions or conflicts between the various elements of the working drawings and/or Specifications shall be brought to the attention of the Architect and/or Structural Engineer before proceeding with any work involved.
- The Structural Drawings shall be used in conjunction with the entire set of Construction Drawings. This means that detailing and shop drawing production for structural elements will require information that is contained on the Architectural and/or other consultants' drawings. The Structural Drawings may not show all dimensions, slopes, elevations, depressions, mechanical housekeeping pads, etc. The Contractor shall verify all dimensions that are shown on the Structural Drawings with the Architectural and/or other consultants' drawings. Any discrepancies shall be brought to the attention of the Architect and/or Structural Engineer before proceeding with any work involved.
- Drawings indicate the finished product. They do not indicate a method of construction. Contractor shall take all precautions necessary to protect the structure during construction. Such precautions shall include, but not be limited to, bracing, shoring for construction equipment, etc.
- The Contractor shall be responsible for compensating the Owner for any changes made as a result of a deviation from the Contract Documents, deviation from the Specifications, faulty materials, or faulty workmanship.
- Options are for the Contractor's convenience. The Contractor shall be responsible for coordinating all required design changes. Cost associated with any design work initiated by the option shall be borne by the Contractor.
- Contractor shall be responsible for safety and protection within and adjacent to the job site.
- Temporary shoring and bracing shall be provided wherever necessary to support all loads to which the structure may be subjected including wind and soil loads. Such bracing shall be left in place as long as may be required for safety or until all structural elements are complete.
- During and after construction the Contractor and/or Owner shall keep loads on the structure within the limits of the design loads.
- Observation visits to the job site by field representatives of Calder Richards Consulting Engineers shall neither be construed as inspection nor approval of construction.
- Sizes, locations, and anchorages of equipment shall be verified in the field with equipment manufacturers (suppliers) prior to placing concrete or fabricating steel.
- Thermal or moisture protection, furnishings, doors, windows, equipment, mechanical, electrical, finishes, siding, paneling, and veneers are not part of the responsibility of the Structural Engineer.

3

STRUCTURAL DEFERRED SUBMITTALS  
Contractor shall submit Drawings and Calculations for the following items bearing the seal of a Professional Engineer Licensed in the State of the project to Architect/Engineer before submitting to jurisdiction for review and permitting.

- Items:
- Design-Build Stairs, Ladders, and Railings
  - Attachment of Mechanical Unit to Support
  - Cold Formed Metal Studs
  - Pre-Engineered Metal Building

#### SHOP DRAWING SUBMITTALS

- Contractor shall review and verify all Shop Drawings to ensure they comply with the requirements of the Contract Documents. Engineer will review the Shop Drawings for general conformance with the design concept. This review by the Engineer shall not be construed as approval. The Contractor shall verify all shop drawing dimensions with Structural and Architectural plans and details.
- Provide Shop Drawings to the Engineer for review for the following, but not limited to:
  - Concrete Foundation Reinforcement
  - Wall Reinforcement
  - Deck Reinforcement
  - Steel Decking
  - Concrete Mix Design
  - Structural Masonry Elements
  - Structural Steel
  - Pre-Engineered Metal Building
- Refer to the Architectural Drawings for Shop Drawing submittals required for non-structural elements.

#### STRUCTURAL OBSERVATION

Calder Richards Consulting Engineers shall be notified by the Contractor 5 business days before the completion of the items listed in this section so that Structural Observation may be scheduled and performed in accordance with IBC Section 1704.6. The observations will be performed at the discretion of Calder Richards Consulting Engineers.

- After forms, reinforcement, anchor bolts, and embeds in place for footings (before pouring).
- After forms, reinforcement, anchor bolts, and embeds in place for foundation walls (before pouring).
- After foundation walls poured and before placing masonry.
- After masonry block and reinforcement in place for first lift (before grouting).
- After steel floor framing and decking in place (before covering and pouring concrete over decking).
- After steel roof framing and decking in place (before covering).
- Steel connections of the lateral-force-resisting system.

#### FOOTINGS

- All footings shall bear on original undisturbed earth or on engineered fill down to undisturbed earth compacted to 95% of maximum relative density based on ASTM D1557. Such fill shall be placed in layers not to exceed 6" in depth after compaction and shall extend down to in-situ granular soils. Unless noted otherwise, follow all recommendations in the soils report.
- Existing elevations shown on plan are top of footings and are minimum depth. Different or unusual conditions shall be reported to the Architect and/or Engineer before proceeding.
- Exterior wall footings shall bear at a minimum depth of 2'-6" below finished exterior grade to achieve frost depth requirements.
- NO footings shall be placed in water or on frozen ground.
- Any soil condition encountered during excavation that is contrary to the conditions used for design of footings as outlined in the referenced Soils Report or on the drawings shall be brought to the attention of the Architect before proceeding.
- DO NOT back fill behind foundation walls until top and bottom decks have been completed and attained their design strengths.
- Back fill both sides of foundation walls at same time to prevent overturning.
- Wall footings, where not shown otherwise, shall be 12" thick with an 8" spread each side of wall and provided with (1) #5 x continuous at bottom for each 8" of footing width.
- Where a pipe passes through an interior or exterior foundation wall, step the footing down to pass below pipe and then step back up to indicated elevation. Provide pipe sleeve through foundation wall.
- All footing excavations shall be examined by a Geotechnical Engineer for verification of adequate bearing conditions before placing concrete.

#### REINFORCING STEEL

- All reinforcement shall be detailed and placed in accordance with ACI Detailing Manual 315R (Current Version) and ACI Standard 318 (Current Version).
- Reinforcing steel shall be ASTM A615 Grade 60.
- Welded wire fabric shall conform to ASTM A185. Lap one mesh tie.
- All reinforcement shall be securely tied and held in place.
- Provide accessories recommended by the CRSI necessary to properly support reinforcing at positions shown on plans.
- Reinforcing bars that are to be welded, including Deformed Bar Anchors (DBA) shall comply with ASTM A706 or another weldable grade and shall be welded in accordance with the AWS recommendations.
- All continuous reinforcement shall terminate with a 90 degree turn or a separate corner bar. All splices shall have a minimum lap or embedment per Reinforcing Schedule.
- Where the length of a bar is given and it is to be hooked, the hook shall be in addition to the length given, unless shown otherwise.
- Cover to main reinforcement from adjacent surfaces shall be as follows unless shown otherwise:
  - Cast against and permanently in contact with ground ..... 3"
  - Exposed to weather or in contact with ground (#6 and larger) ..... 2"
  - Exposed to weather or in contact with ground (#5 and smaller) ..... 1-1/2"
  - Not exposed to weather or in contact with ground (slabs, joists, and walls #11 and smaller) ..... 3/4"
  - Not exposed to weather or in contact with ground (beams, columns, pedestals and tension ties) ..... 1-1/2"
  - In all cases minimum cover shall not be less than the diameter of adjacent bars.
- Prior to fabrication and placement, Shop Drawings for all reinforcing steel shall be reviewed by the Structural Engineer.

4

#### CONCRETE

- Concrete shall attain the following minimum compressive strengths at 28 days:
- |   |          |
|---|----------|
| Footings  | 3500 PSI |
| Foundation and erection of structural steel buildings, including the "Code of Standard Practices" | 4000 PSI |
| Suspended Slabs   | 4000 PSI |
- The various concrete items are assigned to the following Exposure Categories and Classes per Section 19.3 of ACI 318 (Current Version):
- |                         |                |
|-------------------------|----------------|
| Footings                | F1, SO, W0, C1 |
| Foundation Walls        | F1, SO, W0, C1 |
| Interior Slabs on Grade | F0, SO, W0, C1 |
| Suspended Slabs         | F0, SO, W0, C1 |

- See Table 19.3.1.1 of ACI 318 (Current Version) for explanations of Categories and Classes listed above.
- A Statement of Mix Design for all concrete shall be submitted to and reviewed by the Structural Engineer prior to commencing work. All mix designs shall incorporate requirements and restrictions found in Section 19.3 & Tables 19.3.1.1, 19.3.2.1, and 19.3.3.1 of ACI 318 (Current Version). If two or more requirements are in conflict, the more restrictive requirement shall be followed.
  - All concrete work shall be placed, cured, stripped, and protected as directed by the specifications and ACI Standards and Practices.
  - Before concrete is poured, check with all trades to ensure proper placement of all openings, sleeves, curbs, conduits, bolts, inserts, etc. relative to work. NO aluminum conduit nor product containing aluminum nor any other material injurious to concrete shall be embedded in concrete.
  - Continuous top and bottom bars in walls over openings shall be spliced as follows:
    - Top bars - At mid-span
    - Bottom bars - Over support
  - Where openings larger than 16" in any direction occur in walls or slabs, provide same size additional, full length reinforcing at each side of opening equal to 1/2 the number of bars interrupted by the opening. Space additional bars at 4 x bar diameter.
  - Construction Joints and Control Joints:
    - Refer to drawings for typical construction joint details.
    - Provide a continuous tool-roughened surface at top of all walls and footings, unless noted otherwise.
    - All horizontal and vertical construction joints shall have a continuous 2"x4" keyway along the joint, unless noted otherwise, see details.
    - Provide reinforcing dowels to match the member reinforcing at the joint, unless noted otherwise.
    - Slabs and beams shall not have joints in horizontal plane.
    - Construction joints for slabs on steel deck shall not exceed a distance of 80'-0" in any direction.
    - Control joints shall be complete within 12 hours of concrete placement.
  - All slabs on grade shall be placed in alternate panels with a maximum width of 90 times the slab thickness in any direction. Construction joints shall not exceed 125'-0" OC in any direction; refer to typical details on drawings. Unless otherwise noted, slabs on grade shall be 4" thick and shall be reinforced with 6x6-W14xW1.4 welded wire fabric, centered in slab.
  - Provide a #3 nosing bar in all stair treads.
  - Forms, screeds, and beams supporting suspended concrete shall be cambered 1/4 inch per 10 feet of span to compensate for Dead Load deflections.
  - Where exterior slabs on grade abut walls or columns, provide 3/8" pre-formed expansion joint with sealant.
  - Where interior masonry walls do not bear on a footing provide a typical thickened slab (12" thick x 16" wide) under wall. Reinforce with (2) #4 x continuous. Dowel wall reinforcing to slab.
  - Admixtures:
    - Air-entraining admixtures (when used), shall comply with ASTM C626.
    - Calcium chloride shall not be added to concrete mix.

#### MASONRY (CMU)

- Concrete masonry units shall be mediumweight (105 PCF - 125 PCF), Grade N units conforming to ASTM Designation C90 and shall have a minimum compressive strength of 2000 PSI on the net section (Design strength, Fm = 2000 PSI).
- Mortar shall conform to ASTM C270, Type "S" (Section 2103.2 of the International Building Code). Use Portland Cement, Type I or II. Follow the proportion method of ASTM C270.
  - All masonry shall be reinforced with both horizontal and vertical reinforcement. All grouted block cells or brist cavities with reinforcement shall be grouted full using 2500 PSI grout. Grout shall conform to the requirements of ASTM C476. Cells shall be aligned to preserve unobstructed vertical cavities of 2"x3" minimum. **DO NOT SOLID GROUT WALLS UNLESS SPECIFICALLY NOTED ON THE PLANS.**
  - Grout shall have 3/8" maximum size coarse aggregate with a slump between 8 and 11 inches so the concrete will flow into the block cells without leaving voids.
  - All horizontal reinforcing at ends of walls shall terminate with a hook around vertical reinforcing.
  - Reinforcement Protection (Cover):
    - Joint reinforcement shall have not less than 5/8" mortar coverage from the exposed face.
    - Other reinforcement shall have a minimum coverage between the face shell and the bar of one bar diameter over all the bars, but not less than 3/4" when masonry is exposed to weather or soil. Minimum coverage shall be 2" from the outside face of masonry.
  - Continue vertical reinforcing bars in masonry columns through foundation wall into footings with matching bars and dowels. Enclose these bars with same size ties at same spacing as in masonry column. Provide matching dowels for vertical bars in masonry walls to structure below.
  - Continue horizontal reinforcement in walls through masonry columns and pilasters. This reinforcement shall have matching dowels, corner bars, at corners and at intersections of the walls with required lap lengths.
  - Unless noted otherwise, hollow cells at all four (4) sides of openings in walls shall be grouted and reinforced with (2) #5, minimum, with 2'-10" projection beyond edges of openings at each end.
  - Horizontal bars shall be placed in bond beams filled with grout at the top of all walls and at 48" OC maximum between top of wall and foundation. Bond beam units and reinforcing shall continue uninterrupted around all corners and wall intersections. Where structural steel columns or beams interrupt the continuity of a bond beam, dowels matching bond beam reinforcement shall be welded to the structural steel to provide continuity.
  - In addition ladder-type reinforcing consisting of #9 wire for each face shell of each wythe shall be used at 16" OC horizontally in all masonry walls. Reinforcement shall be for total width of cavity walls.
  - All vertical reinforcing bars shall lap with bars of the same size and spacing that extend down to structure below. Place all bars securely prior to grouting.
  - Stop grout pours 1/2" below top of block units between grout lifts.
  - All anchor bolts must be placed in grouted cells.
  - Where beams bear on concrete block walls, block cells shall be filled with grout 1'-4" wide to foundation and reinforced with a #5 each cell, unless otherwise shown.
  - An additional vertical bar (matching wall reinforcement) shall be placed at each corner, end of wall, and jamb of all openings.
  - All steel joist, joist girder, and steel beam pockets in masonry shall be grouted solid unless otherwise indicated on the drawings.
  - No masonry shall be laid when the temperature of the outside air is below 40 degrees Fahrenheit, unless approved methods are used during construction to prevent damage to the masonry. Such methods shall include protection of the masonry for a period of at least 48 hours.
  - All reinforcing shall be held in place prior to grouting. Vertical reinforcing bars shall be held in position at the top, bottom and at intervals not farther apart than 200 bar diameters. Provide wire ties at all lap splices.
  - All masonry walls shall have vertical control joints at: Major changes in wall height, at changes in wall thickness, and at building construction joints. Provide matching control joints for brick veneer. Consult Architectural Drawings for locations. Where joint locations are not shown on the drawings the Contractor shall submit proposed locations to Architect / Engineer for review.

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#### STRUCTURAL STEEL

- All structural steel and structural steel work shall comply with the AISC "Steel Construction Manual" (Current Version) containing the specifications for the design, fabrication and erection of structural steel buildings, including the "Code of Standard Practices".
- All wide flange structural steel shall be ASTM A992 and all miscellaneous shapes shall be ASTM A36, unless noted otherwise.
- Structural steel tubing shall conform to ASTM A500 Grade C; Yield Stress = 50 KSI.
- Structural steel pipe columns shall conform to ASTM A53, Grade B; Yield Stress = 35 KSI.
- Use A325 Bolts for steel-to-steel connections, F1554 CR36 for Anchor Bolts, and A307 Bolts for for all other connections (unless specified otherwise on drawings). Use 3/4" diameter minimum.
- All welds shall be made with E70XX electrodes and by welders certified by AWS Standards within the past 12 months; provide written certification if requested. All welds shall have a minimum Charpy V-Notch toughness of 20 foot-pound at 0° F, unless noted otherwise on the plans.
- All high-strength bolts shall be tightened to the appropriate minimum bolt tension in accordance with AISC "Specifications for Structural Joints using ASTM A325 or A490 Bolts". The preferred method of tightening is by use of "Twist off type tension control bolt assemblies." "Direct Tension Indicator" and the Turn-of-Nut method may also be used.
- Connections indicated as slip critical shall comply with AISC "Specification for Structural Joints using ASTM A325 or A490 Bolts." Bolts in a slip critical connection shall be pre-tensioned to at least the minimum tension in this specification. Contact surface of bolted parts shall be a minimum of Class A.
- All moment connections (shown on plans by a solid triangle at the end of the beam) shall conform to the IBC Requirements for Special Moment Resisting Space Frames (SMRSF).
- All beam connections, not shown to be moment connections and not detailed otherwise shall be made using AISC Steel Construction Manual "Single Plate Connections" Table with the maximum number of rows shown for that beam.
- Unless noted otherwise, composite beams longer than 30'-0" supporting floor systems shall be cambered 1/4 inch per 10 feet of span.
- Unless shown otherwise provide 3/4" x 7 1/2" x 12" Bearing Plates on 1" grout with (2) 3/4" diameter Anchor Bolts under all steel beams that bear on masonry walls.
- All Headed Stud Anchors (HSA) shall comply with ASTM A108 and be welded with automatically timed stud welding equipment with arc shields per AWS D1.1, Section 7. **FILLET WELDING OF HEADED STUDS IS NOT PERMITTED.**
- Where steel deck is perpendicular to beams, studs shall be welded through deck to beam.
- Numbers that are shown in parentheses at beams are the number of headed stud connectors that are to be spaced equally between intersection beams or lines shown on plan. Where deck is perpendicular to beams, studs shall not be spaced closer than 12" OC. When number of studs exceeds length of beam in feet, one half of additional studs shall be placed with (2) per row beginning at each end of beam. Where beams are parallel to deck, studs shall not be spaced closer than 6" OC. Provide (2) rows of studs beginning at each end where required to maintain the 6" minimum spacing.
- Mechanical roof top units shall be placed over additional or special joists as shown on drawings. The weight, size and location of all proposed units and curbs shall be submitted to the Architect / Engineer for verification before fabrication of steel.
- Frames for roof openings and supports for roof mounted mechanical equipment are indicated on drawings for bid purposes only. Upon receipt of mechanical submittals, the contractor shall furnish steel supplier supplementary drawings or other information necessary to layout and detail this portion of the work. Other steel work shall not be delayed by this portion of the work. Shop drawings shall be submitted to engineer for review.

#### COMPOSITE METAL FLOOR DECK

- Steel floor deck shall comply with the latest requirements of the Steel Deck Institute, SDI. Submit Evaluation Report with shop drawings.
- Steel floor deck shall be 2" deep x 20 gage minimum Galvanized (G60, where indicated) composite Type "W" deck with interlocking side seams. The following minimum properties must be satisfied:  
Fy = 50 KSI  
I = 0.422 in<sup>4</sup>/ft  
Sp = 0.323 in<sup>4</sup>/ft  
Sn = 0.333 in<sup>4</sup>/ft
- The typical floor slab is 3" thick (5" overall) normalweight concrete. Reinforce slab with 6x6-W2.9xW2.9 welded wire fabric minimum, unless noted otherwise. Provide chairs to ensure indicated placement of welded wire fabric above deck. Place welded wire fabric 1" below top of concrete, unless noted otherwise.
- Attach deck to supporting framing members with 3/4" diameter puddle welds spaced as follows:  
12" OC to supports perpendicular to deck corrugations (4 welds per sheet).  
12" OC to all supports parallel to deck corrugations.
- Headed stud welds may take the place of puddle welds where studs are welded through the deck to the top flange of beams.
- Attach interlocking seams with button punch at 36" OC between adjacent pieces of deck.
- Where possible, all deck shall be (3) span continuous minimum. In areas where (3) span conditions are not possible, the deck shall meet the loading criteria for the span condition. The Contractor shall provide heavier gage deck and/or shoring as required.
- Deck shall have a minimum bearing length of 2'.
- Conduits are permitted in deck slabs provided they do not hinder any required fire rating and comply with the following requirements per the SDI Floor Deck Design Manual:  
Conduit shall not exceed 1" diameter, or 1/3 the concrete thickness over the top of the deck flutes.  
Conduit shall not be placed within the ribs of the composite deck or within 8" of headed stud anchors.  
No crossovers are allowed.  
Conduit spacing shall be at least 18" apart.  
With 3/4" minimum cover above and below.  
Conduit shall not be made of or coated with aluminum.

#### LIGHT GAGE METAL FRAMING

- Design, fabrication, and erection of light-gage metal framing shall comply with requirements of: AISC "Manual of Steel Construction", AWS "Structural Welding Code", AISI "Specification for the Design of Cold Formed Steel Structural Members", and ICC-ES Report ESR-3064P.
- Framing shown on plans are minimum sizes and conditions. Substitution of framing members shall be approved by Architect and Engineer. They shall have capacity for gravity loads and lateral loads equal to or better than specified framing members and shall be ICC-ES approved.
- All components shall be galvanized according to requirements of ASTM A-653 for minimum G-60 coating.
- All 16 and 18 gage studs, and all track, bridging, end closures and accessories shall be formed from steel that corresponds to the minimum requirements of ASTM A-653, with a minimum yield of 33 KSI for 18 gage and 50 KSI for 16 gage, for studs and 33 KSI for runners, bridging, end closures and accessories.
- All welds shall be accomplished using 1/8" AWS Type 6013 or 7014 rod with a welding heat of 60 to 110 amperes depending on the gage of material and the fit of the parts. Wire tying of framing components is not permitted.
- Adequate lateral bracing must be provided during construction.
- Unless noted otherwise, metal framing members at load bearing, shear walls and exterior walls shall be 18 gage for studs, 16 gage for top and bottom runner. 16 gage for studs at holdowns.
- Runner Tracks: Install continuous tracks sized to match studs. Align tracks accurately to layout at base and tops of studs. Unless indicated otherwise, secure tracks as recommended by stud manufacturer for type of construction involved, except do not exceed 24" OC spacing for nail or powder-driven fasteners, or 16" OC for other types of attachment. Provide fasteners at corners and ends of track.
- Fastenings: Fastening of components shall be with self-drilling screws or by welding. Screws and welds shall be of sufficient size to ensure the strength of the connection. Wire tying of components shall not be permitted. All welds shall be touched up with a zinc-rich paint. Fastening of plywood diaphragms and sill plates shall be as indicated in structural notes and details.
- Stud sections used as rafters or joists shall be unpunched.
- All non-load bearing walls shall be erected so as to allow for proper deflection of structure above. The tops of all such walls shall be horizontally braced to the structure above at a maximum of 8'-0" OC.

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#### PRE-ENGINEERED METAL BUILDING FRAME

- The complete design of Pre-Engineered Metal Building (PEMB) including all components shown or not shown on the drawings shall be accomplished by Suite #105.
- The design shall be made by a Professional Engineer registered in the State where the project is constructed and they shall affix their Registration Number and Seal to all shop drawings and calculations. They shall submit shop drawings and calculations to Architect / Engineer for review. Calculations shall include all building reactions on the foundations. These reactions shall be reviewed for compliance with the foundation design. Design of the building shall be in accordance with the Recommended Design Practices Manual of the Metal Building Manufacturers Association (MBMA) and in accordance with MBMA Specifications.
- The building and all of its components shall be designed for the following Dead and Live Loads:
  - Actual weight of steel structure.
  - 10 PSF Dead Load (Collateral Load) in addition to actual weight.
  - Roof Snow Load indicated in the Design Criteria Section + Drift on the Low Roof and other applicable areas and/or unbalanced loading as per IBC.
  - Any additional loads and reactions that are shown or noted on the drawings, see Plan Notes.
  - Wind Loads as required by the IBC and per the stated Design Criteria.
  - Seismic Loads as required by the IBC and per the stated Design Criteria.
  - Thru-wall fan and other equipment, see MEP Drawings and Details.
  - Suspended unit heaters and other equipment, see MEP Drawings and Details.
- See plan for additional design notes (i.e. future expansion loads, suspended loads, etc.).
- Provide braced bays only where indicated. Submit proposed locations to Architect for approval before fabrications. Rigid frame column bases shall be designed for a pinned base condition unless noted otherwise. No diagonal bracing shall be used at endwalls unless indicated. Provide portal frames as required. Provide turnbuckles on all rod "X" bracing.
- Where rigid frames are indicated at endwalls, design frames for clear span condition with no intermediate supports. Interior endwall columns shall be for lateral load only.
- No live load reduction shall be taken for the design of the rigid frames.
- Where member sizes and gages are shown they shall be considered a minimum size. The manufacturer shall not use smaller or lighter gages, or omit framing where indicated. They shall use only larger size and heavier gages if their design indicates these are required to meet the loading criteria.
- The vertical deflection of girts and purlins shall be limited to 1/240 of the span. Deflection of rigid frames shall be limited to 1/360 of the span. Deflections shall be based on Total Load (Dead Load plus Live Load). Horizontal drift deflections due to wind and seismic loading shall be limited as per the IBC.

#### PRE-ENGINEERED STEEL STAIRS

- All steel stairs are Design-Build unless specifically designed and detailed on the Structural Drawings. The notes below apply to pre-engineered steel stairs only.
- Design stairs, including framing members, connections (including those to building structure), treads, handrails, and landings, and provide for lateral restraint complying with the Contract Documents and Governing Code. The building lateral resisting system may be utilized for stair lateral restraint provided load paths to the building lateral resisting system are indicated in the calculations and connections shown on the shop drawings.
- At connections to the structure, provide stabilizing elements such as braces and stiffener plates. Do not impose eccentric loading, twisting, or warping to the structural members. Provide material and install stabilizing elements at no additional cost to the owner.
- Submit shop drawings and structural calculations stamped and signed by a Professional Engineer registered in the State where the project is constructed for review by the project Architect, Engineer and Building Official.

#### MASONRY VENEER ANCHORAGE

- Brick veneer shall be anchored to the structural wall by one of the following anchors:
  - Corrugated sheet metal anchors shall be at least 7/8" wide, have a base metal thickness of at least 0.03", and shall have corrugations with a wavelength of 0.3" to 0.5" and an amplitude of 0.06" to 0.10".
  - Sheet metal anchors shall be at least 7/8" wide, have a base metal thickness of at least 0.06" and shall have corrugations of corrugated sheet metal anchors or be bent, notched, or punched to provide equivalent performance in pull-out and push-through.
  - Wire anchors shall be at least wire size W1.7 and have ends bent to form an extension from the bend at least 2" long.
  - Adjustable anchors shall consist of sheet metal anchors and/or wire components as listed above and shall have a maximum of 1/16" clearance between connected parts, detailed to prevent disengagement, and where pinle anchors are used the legs shall have a minimum wire size of W2.8 with no more than a 1 1/4" offset.
- Embed anchors in the mortar joint or grout and extend into the veneer a minimum of 1.5", with at least 5/8" mortar cover to the outside face.
- Space anchors as follows: Provide at least one corrugated anchor, wire, or adjustable two-piece for each 2 sq ft of veneer and for other anchors provide one anchor for each 2.63 sq ft. Space anchors at a maximum of 32" OC horizontally and 18" OC vertically. Provide additional anchors around all openings larger than 16". Space anchors around perimeter of opening at a maximum of 36" OC. Place anchors within 12" of openings.
- Provide continuous single-wire horizontal joint reinforcement of W1.7 wire (minimum) at 18" on center maximum. Provide wire reinforcing at each anchor bed joint.
- Mortar bed joint thickness shall be at least twice the thickness of the embedded anchor.
- All veneer ties and joint reinforcement must be hot dip galvanized.
- Attach each anchor to wood framing with a corrosion resistant 8d common nail or alternate fastener with equivalent or greater pullout strength. For corrugated sheet metal anchors, locate the nail or fastener within 1/2" of the 90 degree bend in the anchor. Maintain a maximum distance between the inside face of the veneer and the outside face of the solid sheathing of



A

B

C

D

E

Special Inspection - Steel Construction (IBC 1705.2)		
Item	C/P	◀(A)
INSPECTION TASKS PRIOR TO WELDING (AISC 360-16, TABLE NS.4-1; AISC 341-16, TABLE J6.1)		
Welder qualification records and continuity records	C	
Welding procedure specifications (WPSs) available	C	
Manufacturer's certification for welding consumables available	C	
Material identification (Type / Grade)	P	
Welder identification system ◀(B)	P	
Fit-up of groove welds (including joint geometry)	P	
Fit-up of CJP groove welds of HSS, T-, Y-, and K-joints	C	
Configuration and finish of access holes	P	
Fit-up of fillet welds	P	
Checking welding equipment	P	
INSPECTION TASKS DURING WELDING (AISC 360-16, TABLE NS.4-2; AISC 341-16, TABLE J6.2)		
Control and handling of welding consumables	P	
No welding over cracked tack welds	P	
Environmental conditions	P	
Welding procedure specification followed	P	
Welding techniques	P	
Placement and installation of HSAs	C	
INSPECTION TASKS AFTER WELDING (AISC 360-16, TABLE NS.4-3; AISC 341-16, TABLE J6.3)		
Welds cleaned	P	
Size, length, and location of welds	C	
Welds must meet visual acceptance criteria	C	
Arc strikes	C	
k-Area ◀(C)	C	
Weld access holes in rolled heavy shapes and built-up heavy shapes ◀(D)	C	
Backing removed and weld tabs removed (if required)	C	
Repair activities	C	
Document acceptance or rejection of welded joint or member	C	
No prohibited welds have been added without approval of the EOR	P	
INSPECTION TASKS PRIOR TO BOLTING (AISC 360-16, TABLE NS.6-1; AISC 341-16, TABLE J7.1)		
Manufacturer's certifications available for fastener materials	C	
Fasteners marked in accordance with ASTM requirements	P	
Correct fasteners selected for the joint detail (Grade / Type / Bolt Length / If threads are to be excluded from shear plane)	P	
Correct bolting procedure selected for joint detail	P	
Connecting elements, including the appropriate laying surface condition and hole preparation, if specified, meet applicable requirements	P	
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	P	
Protected storage provided for bolts, nuts, washers, and other fastener components	P	
INSPECTION TASKS DURING BOLTING (AISC 360-16, TABLE NS.6-2; AISC 341-16, TABLE J7.2)		
Fastener assemblies, placed in all holes and washers and nuts are positioned as required	P	
Joint brought to the snug-tight conditions prior to the pre-tensioning operations	P	
Fastener component not turned by the wrench prevented from rotating	P	
Fasteners are pre-tensioned in accordance with the RCSC specification, progressing systematically from the most rigid point toward free edges	P	
INSPECTION TASKS AFTER BOLTING (AISC 360-16, TABLE NS.6-3; AISC 341-16, TABLE J7.3)		
Document acceptance or rejection of bolted connection	C	

Special Inspection - Steel Construction (IBC 1705.2)		
Item	C/P	◀(A)
INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL (IBC 1705.2.2-1705.2.4, AND TABLE 1705.2.3)		
Cold-formed steel deck:		
- A. Special inspections and qualifications of welding special inspections for cold-formed steel floor and roof deck shall be in accordance with the quality assurance inspection requirements of SDI QA/QC	C	
Installation of open-web steel joists and girders:		
- A. End connections - Welding or bolted		P
- B. Bridging-horizontal or diagonal		P
- 1) Standard bridging	P	
- 2) Bridging that differs from SJI specifications listed in section 2207.1 of IBC	P	
NON-DESTRUCTIVE TESTING OF WELDS (AISC 360-16, SECTION N5.5)		
Ultrasonic testing (UT), magnetic particle testing (MT), penetrant testing (PT), and radiographic testing (RT), where required shall be performed by QA in accordance with AWS D1.1	-	
CJP welds (Risk Category II)	P	
CJP welds (Risk Category III or IV)	C	
Welded joints subject to fatigue	C	
OTHER STEEL INSPECTIONS (AISC 360-16, SECTION NS.7 AND NS.8)		
Inspect galvanized structural steel main members for cracks subsequent to galvanizing	P	
Structural steel details	P	
Anchor rods and other embedments supporting structural steel	P	
TABLE NOTES:		
▶ (A) Continuous or periodic (C/P) refers to the frequency of inspection, which may be continuous during the task listed or periodically during the listed task, as defined in the table.		
▶ (B) The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be low-stress type.		
▶ (C) When welding of doubler plates, continuity plates or stiffeners has been performed in the k-Area, visually inspect the web k-Area for cracks within 3" of the weld.		
▶ (D) After heavy shapes are welded, visually inspect the weld access hole for cracks.		

Special Inspection - Masonry Construction (IBC 1705.4, TMS402, 602)		
Item	R/C/P	◀(A)
Level 2		
QUALITY ASSURANCE (TMS 602-16, TABLE 3, TABLE 4)		
MINIMUM VERIFICATION		
Prior to construction, verification of compliance of submittals	R	
Prior to construction, verification of fm and FA&C, except where specifically exempted by the Code.	R	
During construction, verification of slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.	R	
MINIMUM INSPECTION		
As masonry construction begins, verify that the following are in compliance:		
- A. Proportions of site-prepared mortar	P	
- B. Grade and size of prestressing tendons and anchorages	P	
- C. Grade, type, and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages	P	
- D. Prestressing technique	P	
- E. Properties of thin-bed mortar for AAC masonry	C ◀(B) / P ◀(C)	
- F. Sample panel construction	P	
Prior to grouting, verify that the following are in compliance:		
- A. Grout space	P	
- B. Placement of prestressing tendons and anchorages	P	
- C. Placement of reinforcement, connectors, and anchor bolts	P	
- D. Proportions of site-prepared grout and prestressing grout for bonded tendons	P	
Verify compliance of the following during construction:		
- A. Materials and procedures with the approved submittals	P	
- B. Placement of masonry units and mortar joint construction	P	
- C. Size and location of structural members	P	
- D. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other constructions	P	
- E. Welding of reinforcement	C	
- F. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F (4.4°C)) or hot weather (temperature above 90°F (32.2°C))	P	
- G. Application and measurement of prestressing force	C	
- H. Placement of grout and prestressing grout for bonded tendons in compliance	C	
- I. Placement of AAC masonry units and construction of thin-bed mortar joints	C ◀(B) / P ◀(C)	
Observe preparation of grout specimens, mortar specimens, and/or prisms	P	
TABLE NOTES:		
▶ (A) R denotes required.		
Continuous or periodic (C/P) refers to the frequency of inspection, which may be continuous during the task listed or periodically during the listed task, as defined in the table.		
▶ (B) Continuous inspection is required for the first 5,000 sq ft of AAC masonry.		
▶ (C) Periodic inspection is required after the first 5,000 sq ft of AAC masonry.		



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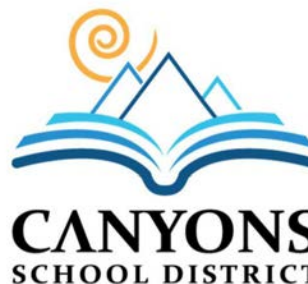


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TERMS AND ABBREVIATIONS	
ABBRV	TERM
(#)	Numerical quantities when enclosed in parentheses
A/E	Architect / Engineer
AB	Anchor Bolt
ABV	Above
ADDM	Addendum
AFF	Above Finished Floor
ALUM	Aluminum
APPROX	Approximately
ARCH	Architect (Architectural)*
ASTM	American Society for Testing and Materials
B PL	Base Plate
B/B	Back to Back
BF	Beam Flange Width
BLKG	Blocking
BLW	Below
BM	Beam
BOS	Bottom of Steel
BOT	Bottom
BRG	Bearing
BTWN	Between
C TO C	Center to Center
CD	Contract Documents
CIP	Cast-In Place
CJ	Construction Joint (Control Joint)*
CL	Centerline
CMU	Concrete Masonry Unit
COL	Column
CONC	Concrete
CONN	Connection
CONT	Continuous (Continue)*
CONTR	Contractor
COORD	Coordinate
CTR	Center
D	Depth
d	Pennyweight Nail
DB	Deck Bearing
DBA	Deformed Bar Anchor
DBL	Double
DPS	Douglas Fir - South
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DL	Dead Load
DTL	Detail
DWG	Drawing

TERMS AND ABBREVIATIONS	
ABBRV	TERM
(E)	Existing
E	Modulus of Elasticity
EA	Each
EJ	Expansion Joint
EL	Elevation
ELEV	Elevator
ENGR	Engineer
EQ	Equal
EQL SP	Equally Spaced (Equal Spaces)*
EQUIP	Equipment
EQUIV	Equivalent
EST	Estimate
ETC	And so forth
EW	Each Way
EXCL	Exclude
EXP	Expansion
EXT	Exterior
(F)	Future
FDTN	Foundation
PFE	Finished Floor Elevation
FIN	Finish (Finished)*
FLR	Floor
FRMG	Framing
FSE	Finished Slab Elevation
Footing	Footing
FV	Field Verify
GA	Gage / Gauge
GALV	Galvanized
GLB	Glued Laminated Wood Beam
HGR	Hanger
HORIZ	Horizontal (Horizontally)*
HSA	Headed Stud Anchor
HSS	Hollow Structural Section
I	Moment of Inertia
ID	Inside Diameter
INT	Interior
JST	Joist
KIP (K)	Thousand Pounds
KIP FT	Thousand Foot/Pounds
KLF	Kips per Lineal Foot

TERMS AND ABBREVIATIONS	
ABBRV	TERM
LB	Pound
LHS	Left Hand Shoe
LL	Live Load
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LONG	Longitudinal
LSL	Laminated Strand Lumber
LWT	Lightweight
LVL	Laminated Veneer Lumber
MAX	Maximum
MECH	Mechanical
MFR	Manufacturer
MIN	Minimum
MISC	Miscellaneous
N/A	Not Applicable
NTS	Not to Scale
OC	On Center
OD	Outside Diameter
OPNG	Opening
OPP	Opposite
OPT	Optional
OSB	Oriented Strand Board
PIT	Pressure Treated
PEMB	Pre-Engineered Metal Building
PERP	Perpendicular
PLF	Pounds per Lineal Foot
PSL	Parallel Strand Lumber
PT	Post Tensioned
QA	Quality Assurance
QC	Quality Control
(RE)	Remove Existing
REINF	Reinforce (Reinforced, Reinforcing)*
REQD	Required
RFI	Request for Information
RS	Rough Sawn
RTU	Roof Top Unit

TERMS AND ABBREVIATIONS	
ABBRV	TERM
SCHED	Schedule
SECT	Section
SF	Square Foot (Feet)*
SGL	Single
SHTHG	Sheathing
SIM	Similar
SL	Snow Load
SOG	Slab on Grade
SPCL	Special
SPEC	Specification
SQ	Square
SSH	Short Spotted Holes
STD	Standard
STIF	Stiffener
STRUCT	Structure (Structural)*
SYMM	Symmetrical
T&B	Top & Bottom
T&G	Tongue and Groove
THRU	Through
TO FDTN	Top of Foundation
TOB	Top of Beam
TOC	Top of Concrete
TOF	Top of Footing
TOJ	Top of Joint
TOM	Top of Masonry
TOP	Top of Parapet
TOS	Top of Steel
TOW	Top of Wall
TWS	Threaded Welded Stud
TYP	Typical
UNO	Unless Noted Otherwise
VERT	Vertical (Vertically)*
W	With
WO	Without
WL	Wind Load
WLD	Weld (Welded)*
WWF	Welded Wire Fabric
XS	Extra Strong
XXS	Double Extra Strong

NOTES

- \* CONTEXT INDICATES WHICH ABBREVIATION TERM IS IMPLIED. CONTACT ENGINEER IF MEANING IS NOT OBVIOUS.
- NOT ALL ABBREVIATIONS ARE USED.
- MANY ABBREVIATIONS MAY BE MADE PLURAL BY ADDING AN S SUFFIX.
- FOR ABBREVIATIONS NOT LISTED, REFER TO US NATIONAL CAD STANDARD, VERSION 3.1, TERMS AND ABBREVIATIONS SECTION, OR CONTACT ENGINEER.

A5 TERMS & ABBREVIATIONS  
NO SCALE

PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

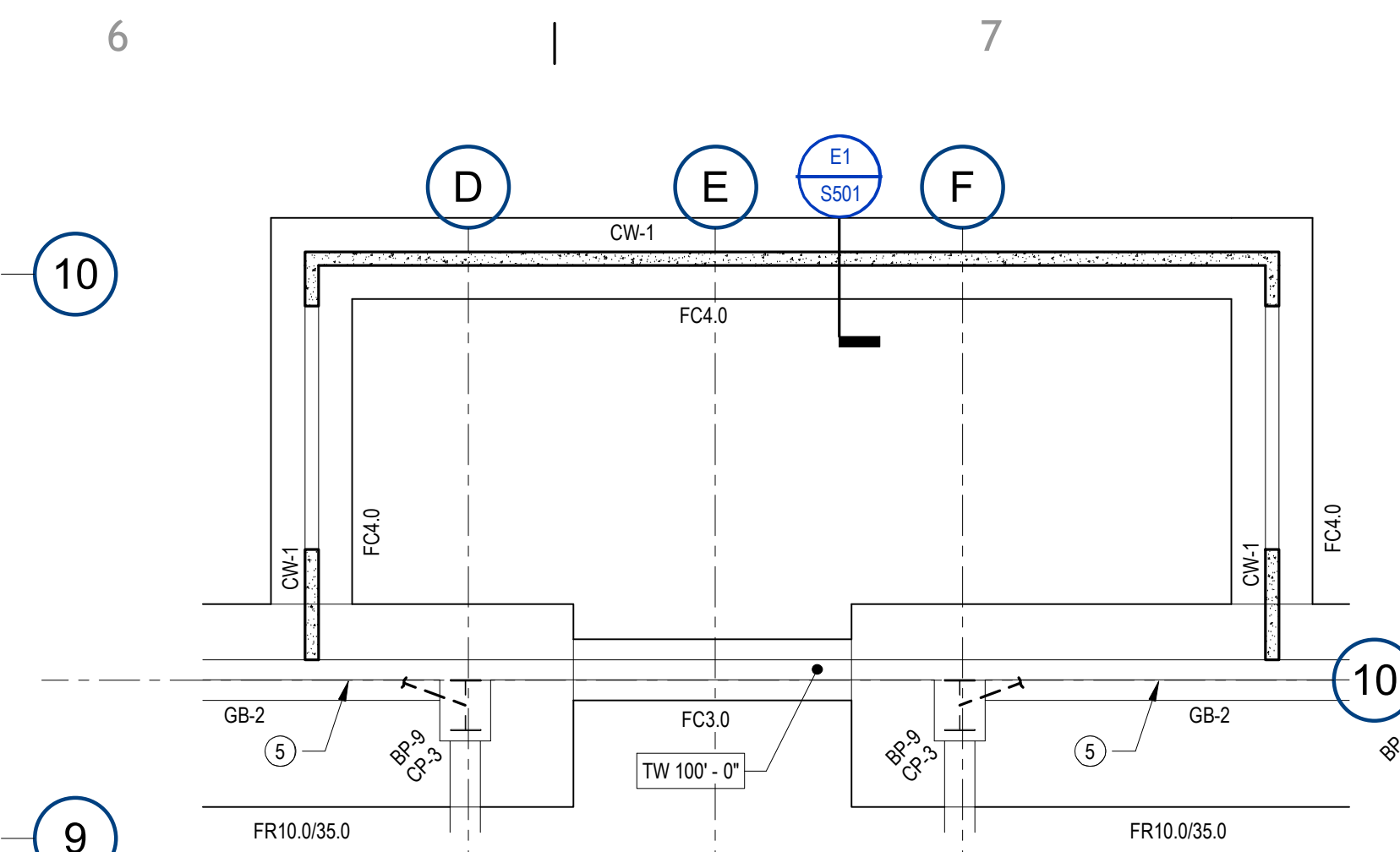
SHEET TITLE

STRUCTURAL  
NOTES  
PART 2

SHEET NUMBER

S002





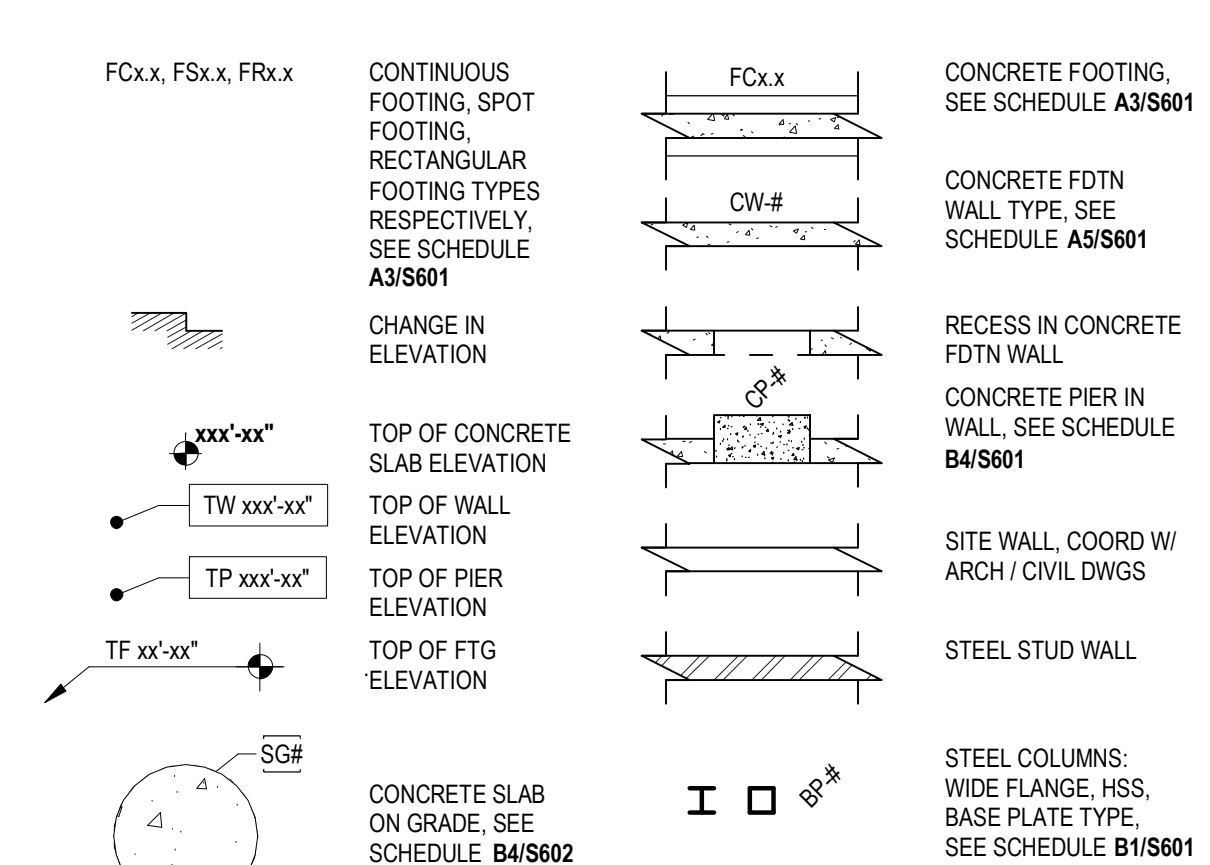
**Yard**  
1/8" = 1'-0"

### PLAN NOTES - FOOTING & FDTN

- # NUMBERED NOTES BELOW ARE KEYS ON PLAN.  
PLAN DENOTES REINFORCING KEYED ON PLAN.  
R/SF DENOTES REBAR SIZES TYPES KEYS ON PLAN.  
SEE SCHEDULE S45002.  
# SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. TYPICAL.  
NO. 10 NOTES MAY APPLY TO AREA SHOWN ON SHEET.  
# SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.  
TOP OF CONCRETE SLAB  
ELEVATION = 100.47'  
UNLESS NOTED OTHERWISE xxx'± TO FLOOR UNIFORMLY TO FLOOR DRAINS.  
# PLACE CONTROL JOINTS AND CONSTRUCTION JOINT SLAB PER STRUCTURAL NOTES. SEE DETAIL A65001.  
D CENTER FOOTINGS ON WALLS AND COLUMNS UNLESS OTHERWISE NOTED ON PLANS.  
# SEE STRUCTURAL NOTES ON SHEET S001 FOR MINIMUM FROST COVER FOR ALL EXTERIOR FOOTINGS.  
F FOOTING ELEVATIONS ARE BASED ON A UNIFORM GRADE 6" BELOW SLAB TOP OF FLOOR COVER.  
# ELEVATIONS SHOWN WITH CHILL AND SITE PLANS FOR ANY ADDITIONAL DEPTH AND TO MAINTAIN MINIMUM FROST COVER FOR FOOTINGS.  
# SEE PLAN AND SECTIONS FOR TOP OF FINISH FLOOR WALL ELEVATIONS.  
H SEE DETAIL A55001 AN ANCHOR FOR TYPICAL CONCRETE AND MASONRY WALL REINFORCEMENT AT CORNERS AND INTERSECTIONS.  
J DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BRACING IS IN PLACE OR ADEQUATE SHORING IS INSTALLED.

- P**LAN NOTES - FOOTING & FDTN
- K** SEE DETAIL B33501 FOR CONTROL JOINTS IN CONCRETE FOR ARCHITECTURAL FINISHES AND LOCATIONS FOR LOCATIONS.
- L** SEE ARCHITECTURAL / SITE DRAWINGS FOR INFORMATION AND LOCATION OF SITE LAYOUTS FOR PLANTER, ETC.
- M** COORDINATE FOOTING W/ MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL PENETRATIONS HAVING FOOTINGS. SEE ARCHITECTURAL FOR ADDITIONAL INFORMATION.
- N** PROVIDE HOUSEKEEPING FODS FOR MECHANICAL/ELECTRICAL UNITS AS REQUIRED.
- O** MECHANICAL/ELECTRICAL DRAWINGS SHALL BE POURED MONUMENTAL LAYOUTS FOR ALL ON GRADE. SHALL BE COORDINATED WITH REBAR PER DETAIL C25501.
- P** SEE SHEET S901 FOR BAL ALTERNATE INFORMATION.
- 1** CONTRACTOR TO PROTECT AND COVER ELEVATOR PIT AND BRACED FRAME ANCHORAGE BETWEEN BASE AND BID TO ALLOW FOR CONSTRUCTION.
- 2** SEE ARCHITECTURAL DRAWINGS FOR DETAIL ELEVATIONS AND LOCATIONS OF LANDINGS AND STAIRS. AT STAIR LANDINGS, USE TYPE SL SLABS AND DL DECK. TYPE SL SHALL BE 151 FOR TYPICAL. FRAMING SIZES & REQUIREMENTS.
- 3** ELEVATOR RAIL SUPPORT COLUMNS SHOWN FOR BID PURPOSES ONLY. CONTRACTOR TO REQUIREMENT WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL C13501 FOR TYPICAL REQUIREMENTS.
- 4** CONTRACTOR OPTION TO POST-INSTALL GRAVITY COLUMNS. SUBMIT RFI FOR POST-INSTALLATION OPTIONS. MAY ONLY BE USED FOR ZONE COLUMNS AND NOT CONNECTED TO BRACED FRAMES.
- 5** DO NOT ROUTE MECHANICAL / ELECTRICAL FINISHES BELOW GRADE. FINISHES FOUNDATION WALLS WITH GRADE FINISHES.

**FTG/FDTN PLAN LEGEND**

[illegible]

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

**DRAWING SET STATUS**

**BID SET**

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TO BE PRINTED IN COLOR

SHEET TITLE

## FOOTING AND FOUNDATION

**SHEET NUMBER**

S101



Autodesk Docs: /24/013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field - S21.rvt  
9/12/2024 3:21:00 PM

A

B

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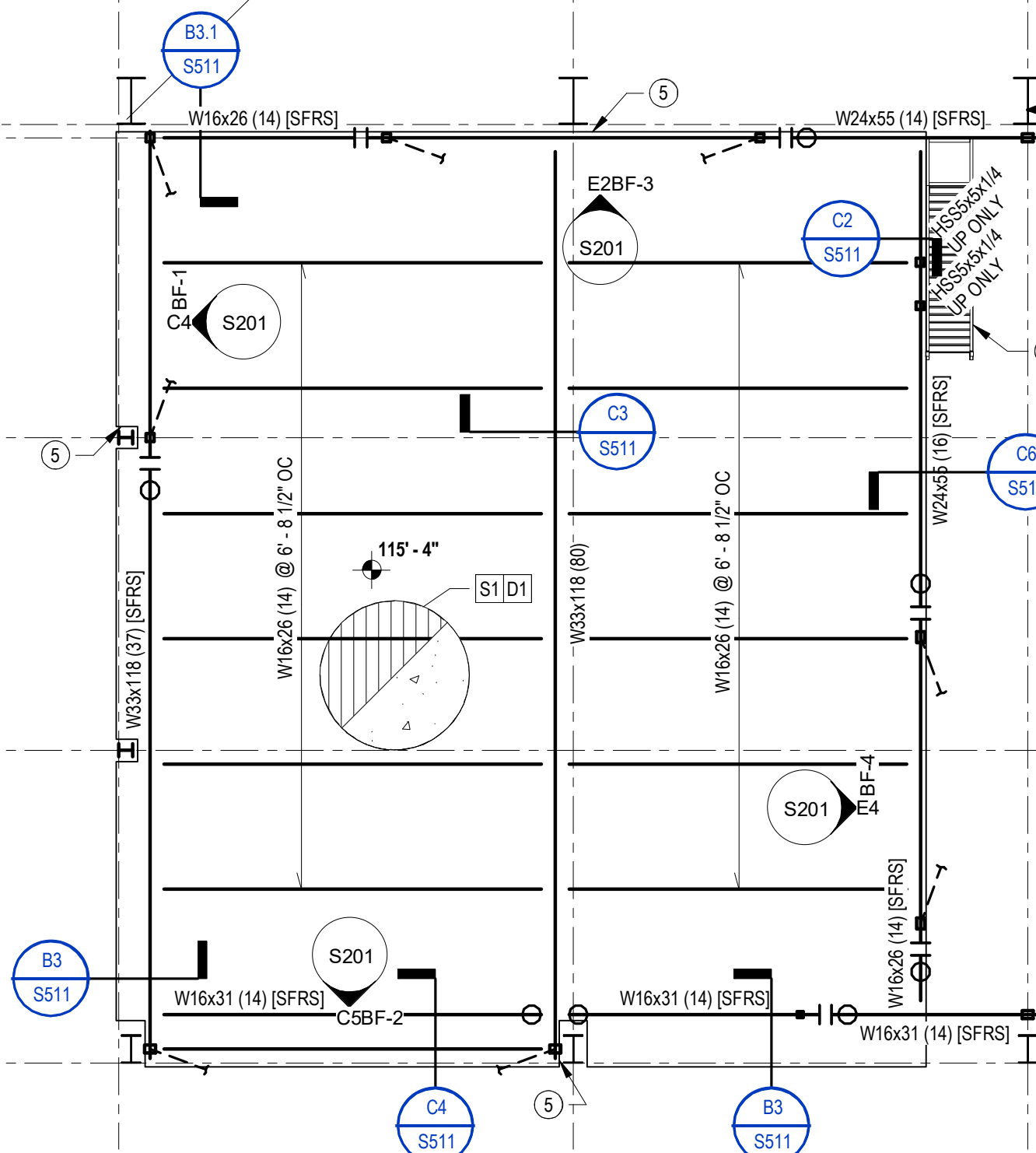
4

3

2

1

OPEN TO BELOW



PLAN NOTES - FLOOR FRAMING

- # NUMBERED NOTES BELOW ARE KEYED ON PLAN.  
D# DENOTES DECK TYPES KEYED ON PLAN, SEE SCHEDULE B2/S602.  
S# DENOTES SLAB TYPES KEYED ON PLAN, SEE SCHEDULE B4/S602.

- \* SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.  
\*\* NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.

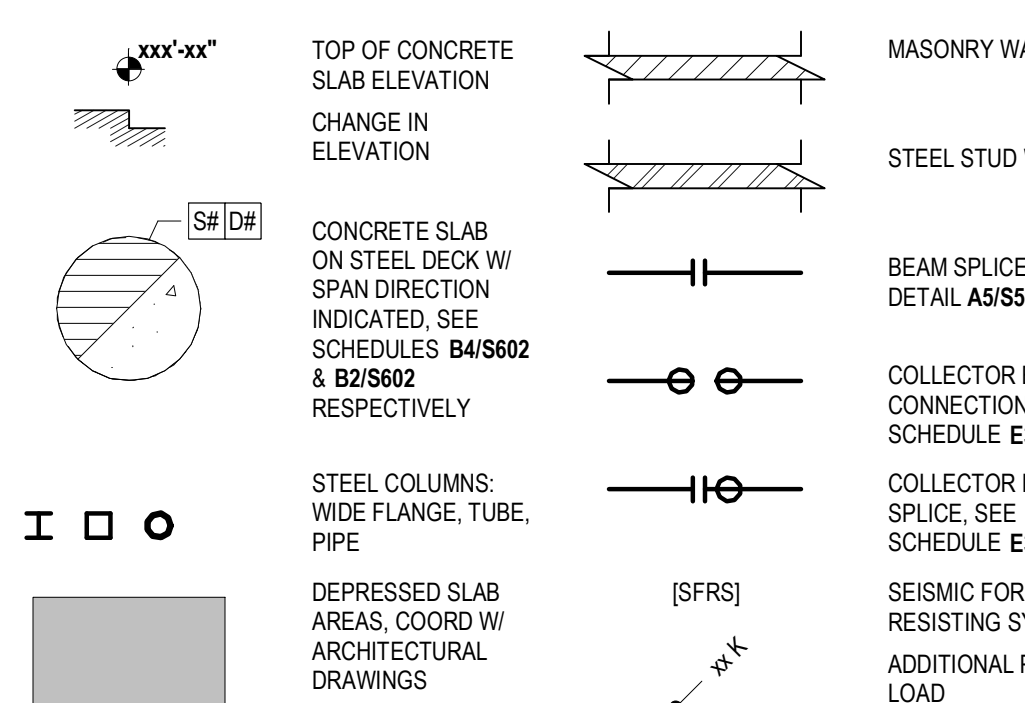
- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.  
B TOP OF CONCRETE SLAB ELEVATION = 115'-4".  
C SEE DETAIL A3/S602 FOR TYPICAL BEAM TO BEAM CONNECTIONS.  
D COORDINATE OPENINGS THROUGH FLOOR DECK WITH MECHANICAL DRAWINGS. FLOOR PENETRATIONS SHALL HAVE ANGLE FRAMING PER DETAIL A2/S511.  
E ALL CONTINUOUS DECK ANGLES TO BE SPLICED PER DETAIL B4/S511.  
F SEE ARCHITECTURAL DRAWINGS FOR TOP OF CMU WALL ELEVATIONS.  
G SEE DETAIL B3/S501 FOR CONTROL JOINTS IN MASONRY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.  
H SEE STEEL ANGLE LINTEL SCHEDULE D3/S602 FOR BRICK VENEER SUPPORT OVER OPENINGS, TYP. UNO.

PLAN NOTES - FLOOR FRAMING

- J (#) FOLLOWING STEEL BEAM CALLOUT DENOTES HEADED STUD ANCHOR QUANTITY FOR COMPOSITE BEAM. SEE DETAIL A3/S511 FOR SIZE AND SPACING REQUIREMENTS.  
K SEE SHEET S901 FOR BID ALTERNATE INFORMATION.

- 1 STEP IN SLAB, SEE DETAILS B6/S511 & B6/S511. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF STEPS.  
2 SEE ARCHITECTURAL DRAWINGS FOR DETAILED ELEVATIONS AND CONFIGURATIONS OF LANDINGS AND STAIRS. AT STAIR LANDINGS, USE TYPE SL SLABS AND DL DECK, TYPICAL. SEE DETAIL D4/S511 FOR TYPICAL FRAMING SIZES & REQUIREMENTS.  
3 ELEVATOR RAIL SUPPORT COLUMNS (ABOVE & BELOW) SHOWN FOR BID PURPOSES ONLY. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL D3/S511 & D2/S511 FOR TYPICAL FRAMING REQUIREMENTS.  
4 PROVIDE SHORING BELOW SINGLE SPAN DECKING PRIOR TO POURING CONCRETE.  
5 PROVIDE 3" EXPANSION GAP BETWEEN PERMS AND MEZZANINE STRUCTURE, TYPICAL.

FLOOR FRMG PLAN LEGEND



Level 2 Framing Plan  
1/8" = 1'-0"



233 SOUTH PLEASANT GROVE BLVD.  
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core@corearch.com

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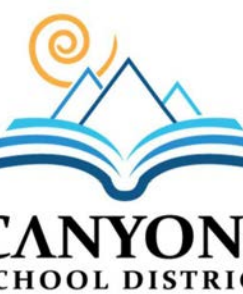
PROFESSIONAL STAMP



CONSULTANT INFORMATION

CALDER RICHARDS  
CONSULTING ENGINEERS  
1100 W. 1000 S. SUITE 100, SALT LAKE CITY, UT 84119  
www.calder-richards.com

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PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

LEVEL 2  
FRAMING PLAN

SHEET NUMBER

S102





7



**CANYON**  
SCHOOL DISTRICT

DRAPER, UTAH 84020

SHEET TITLE

S103

1777 01



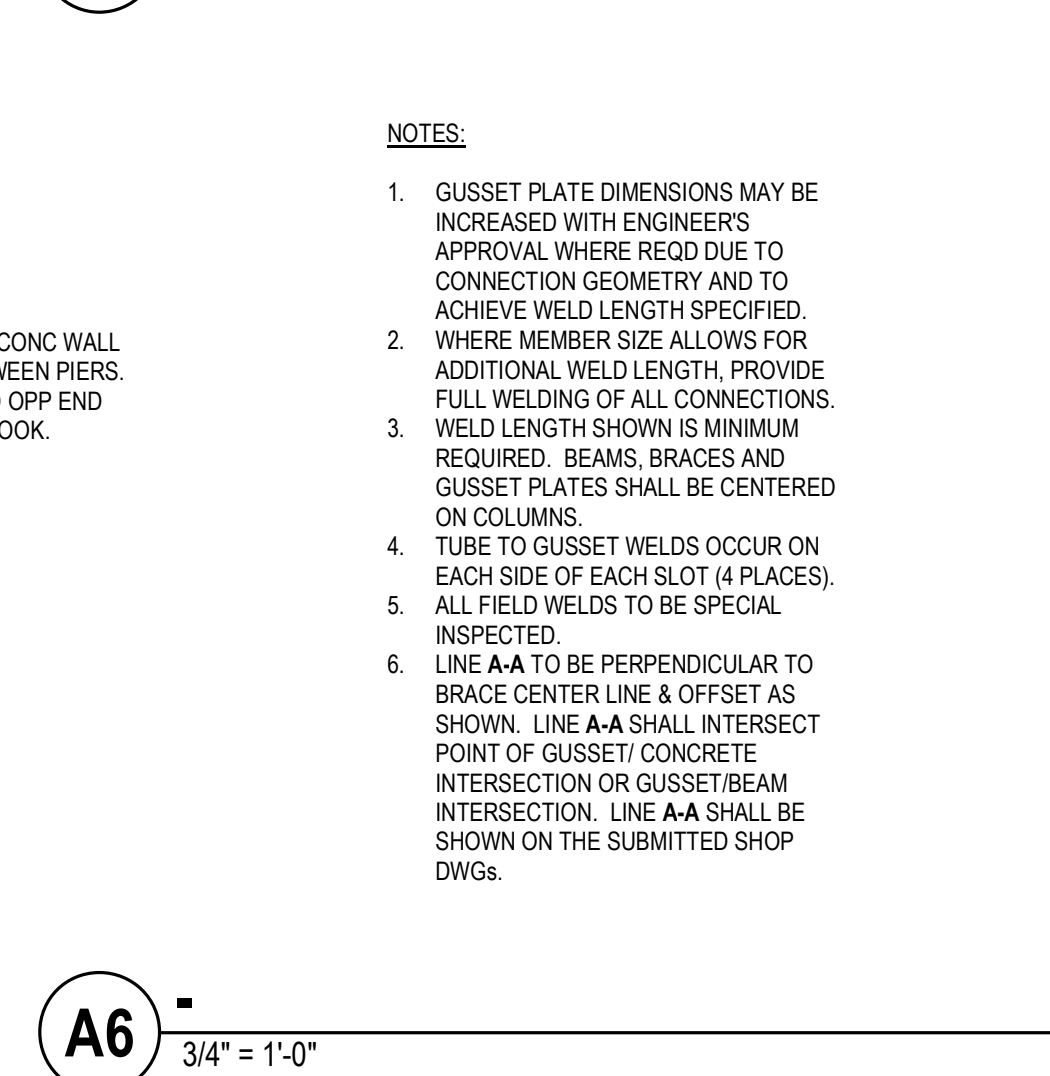
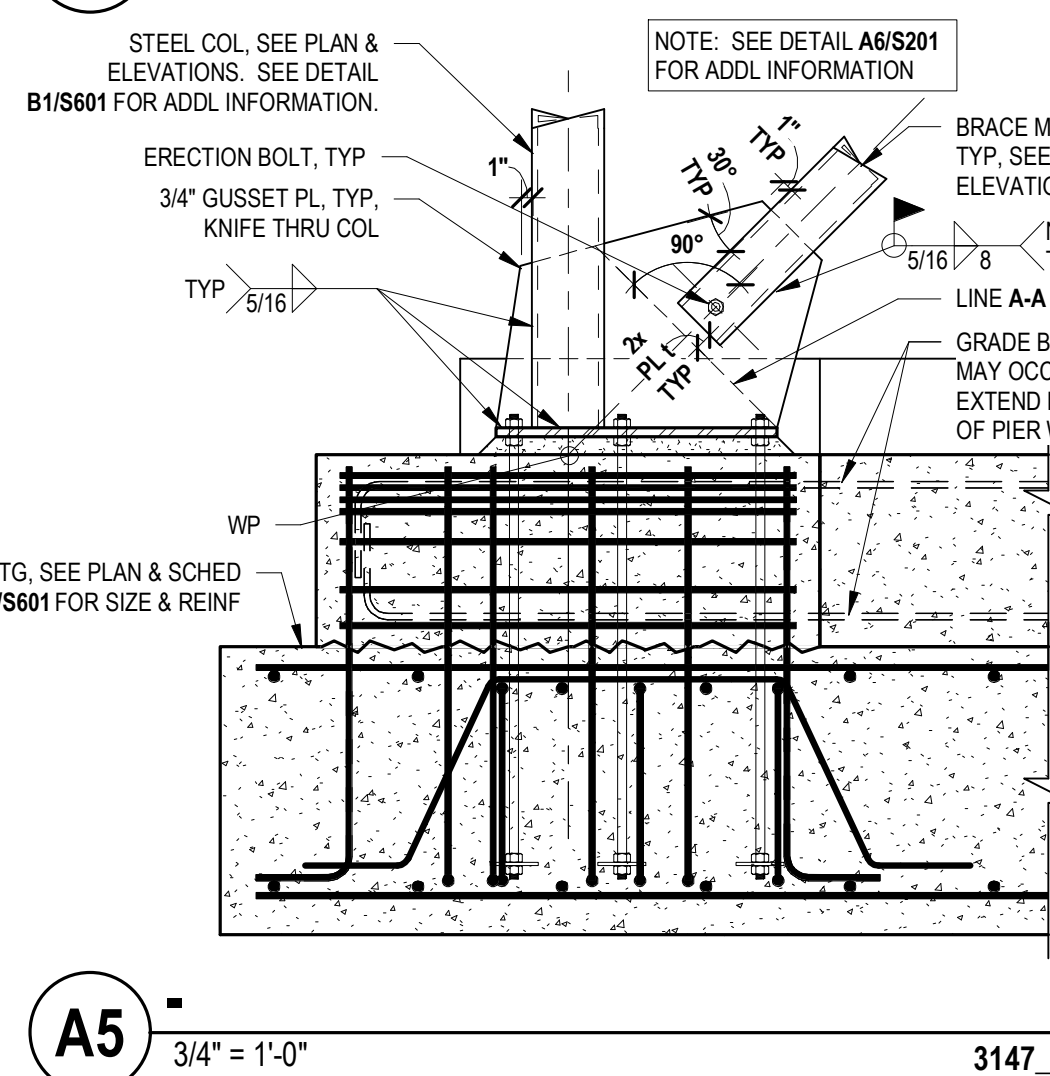
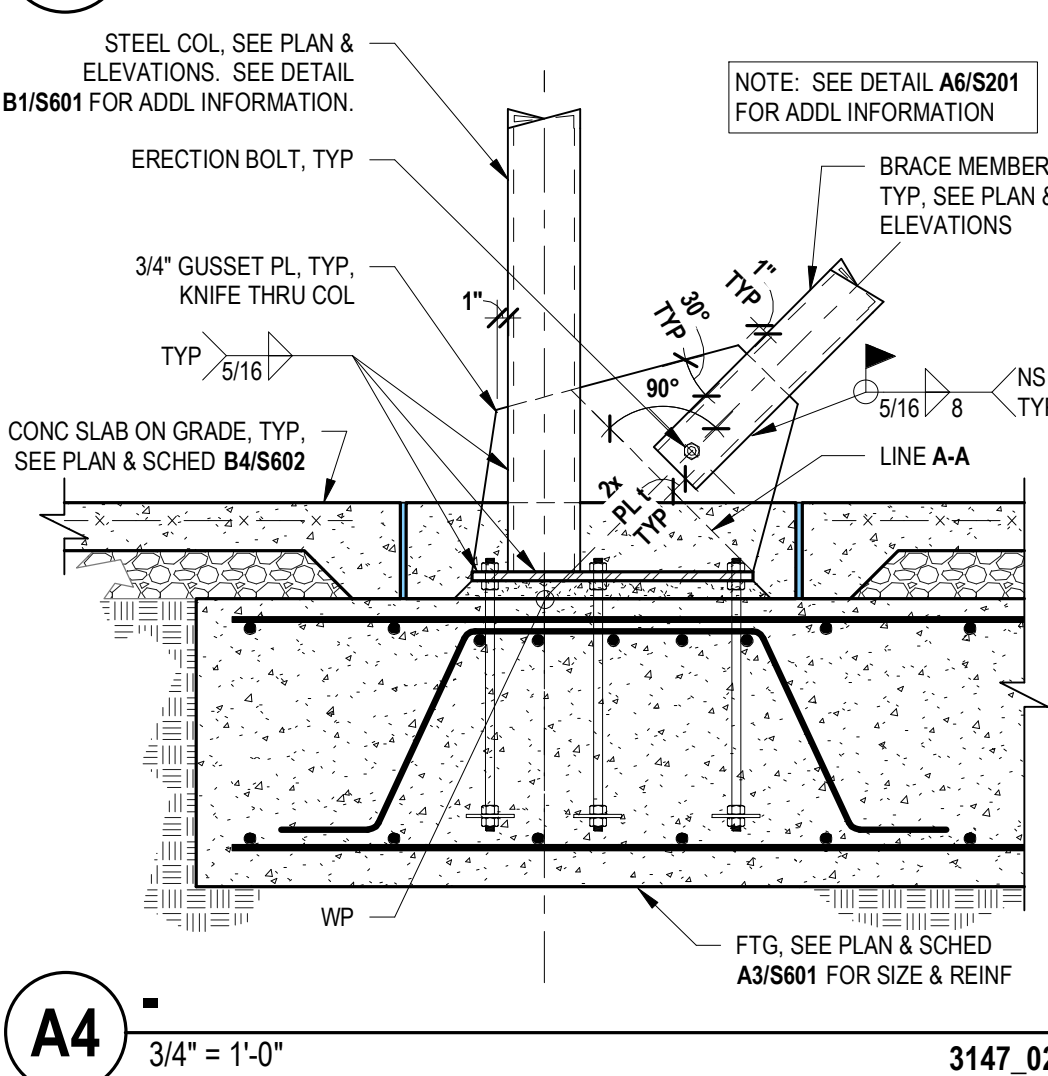
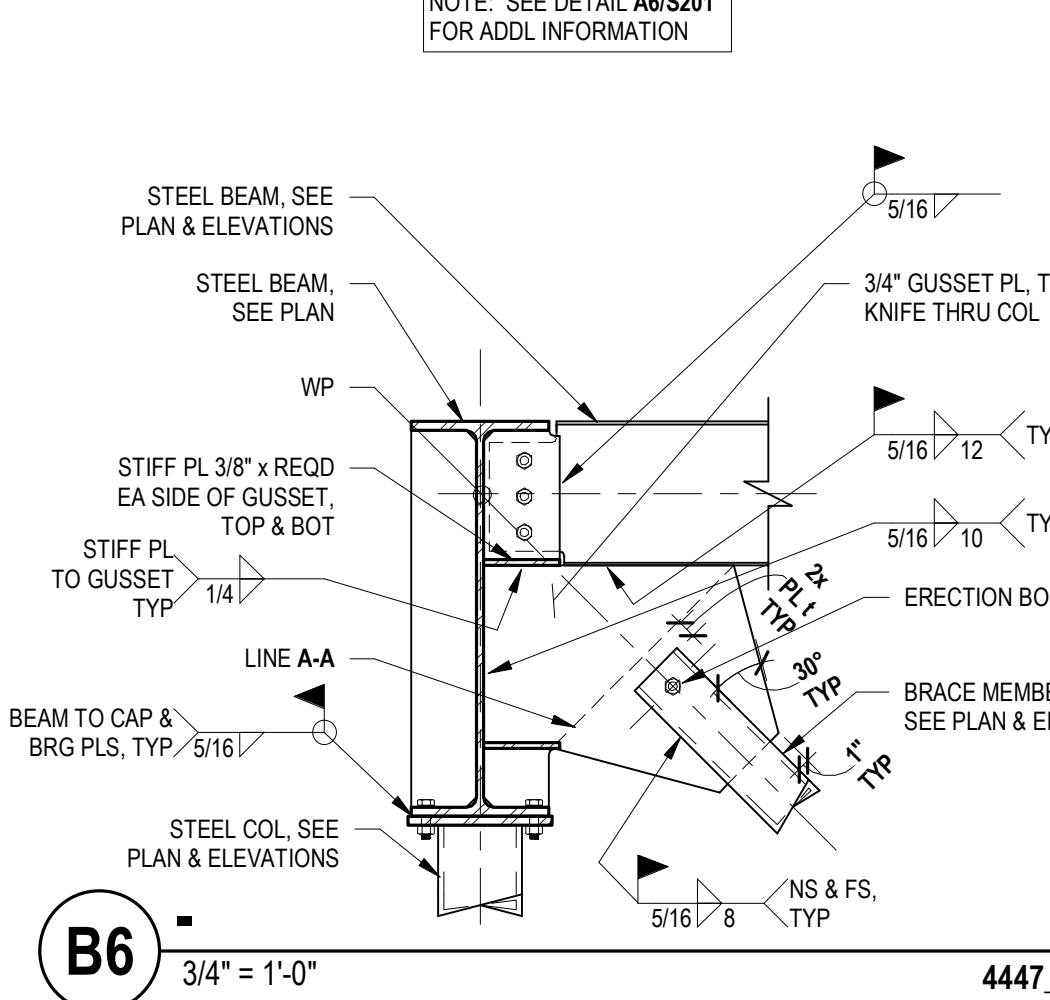
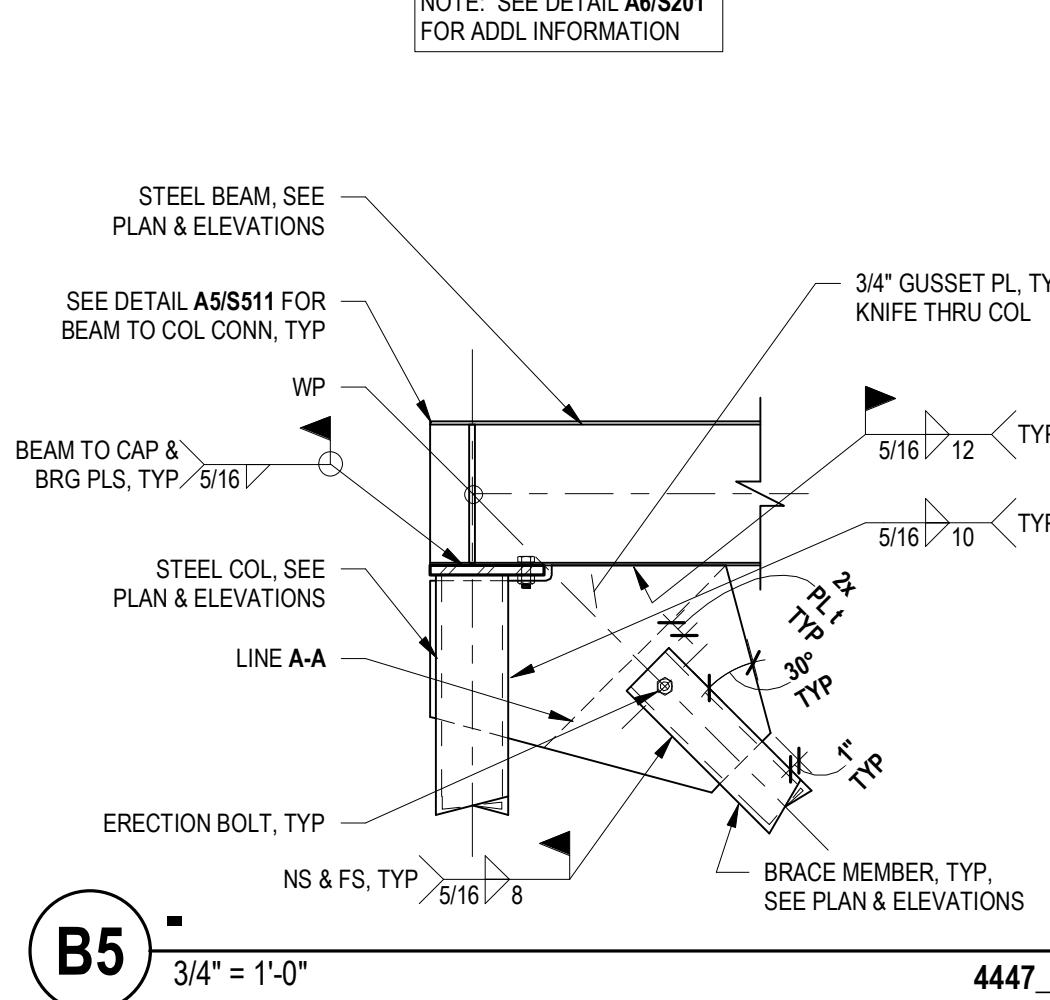
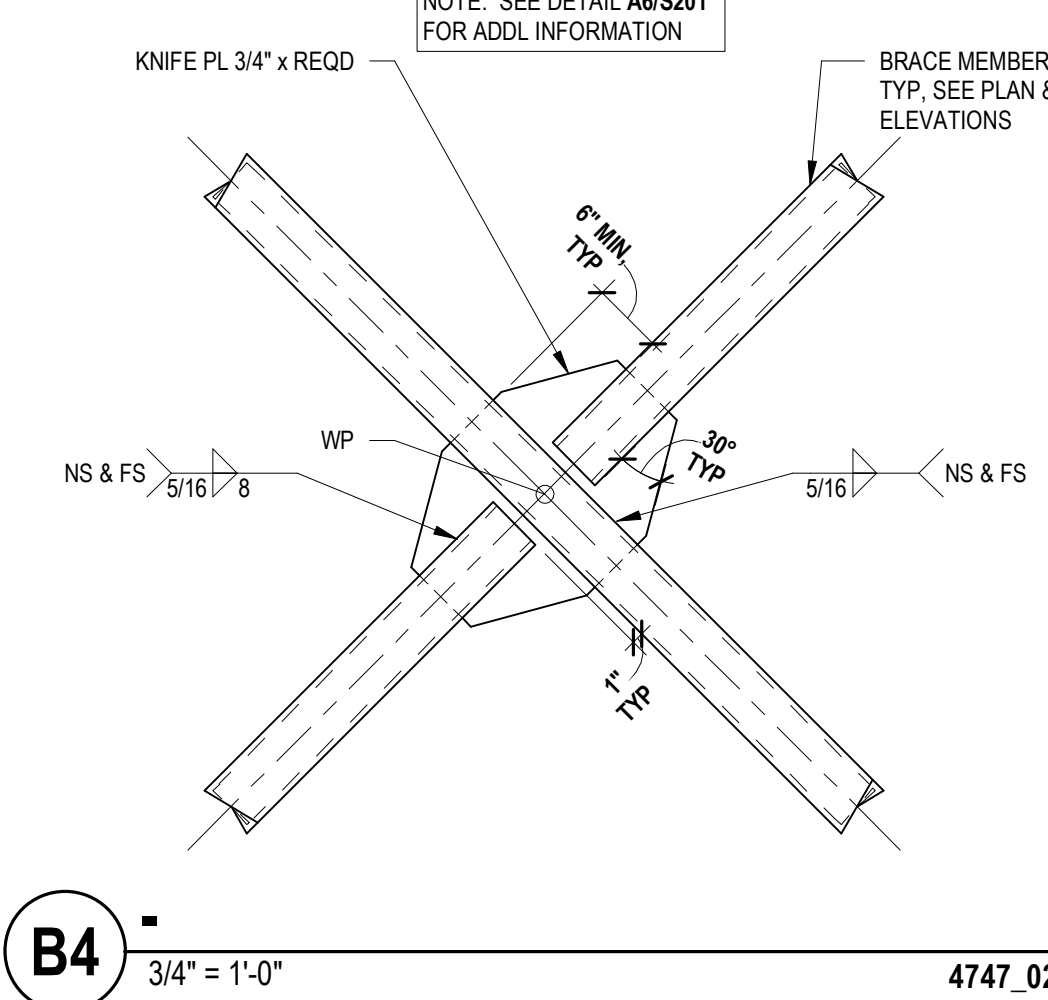
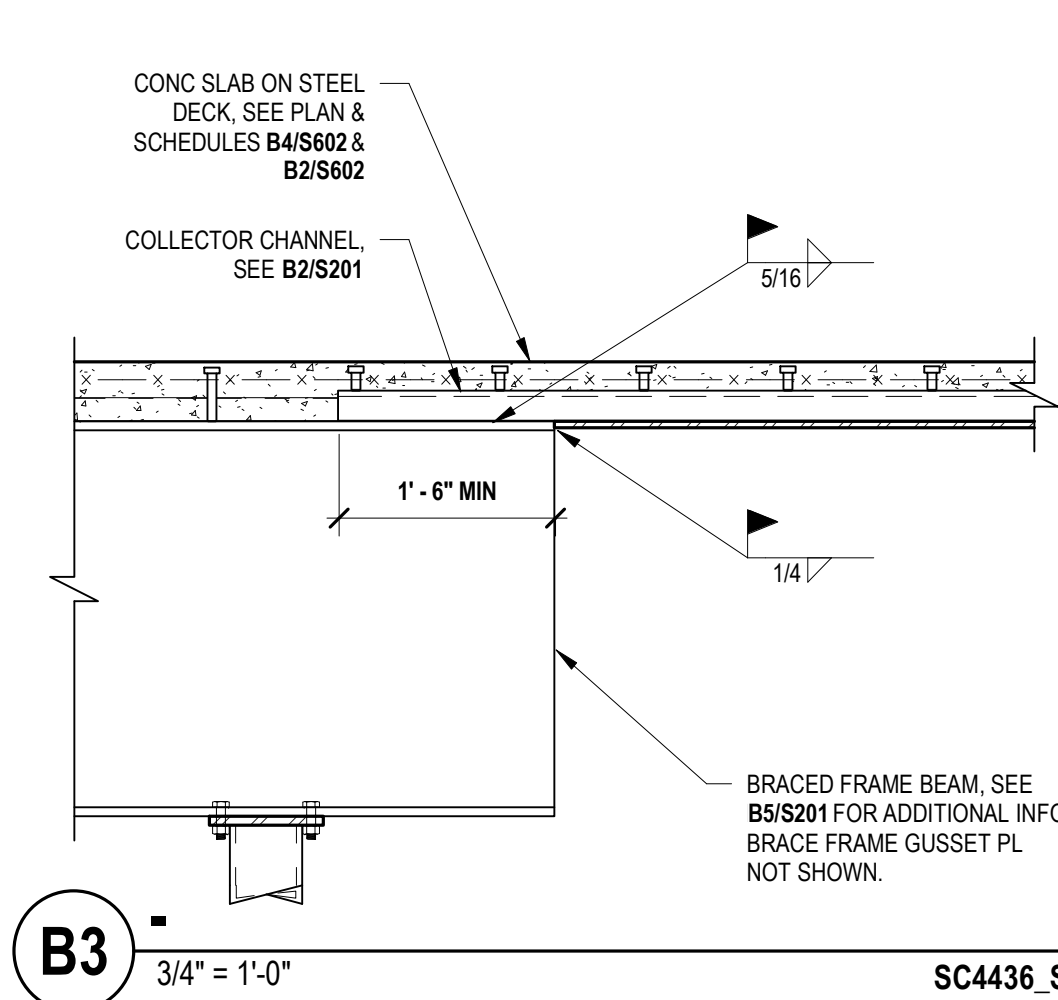
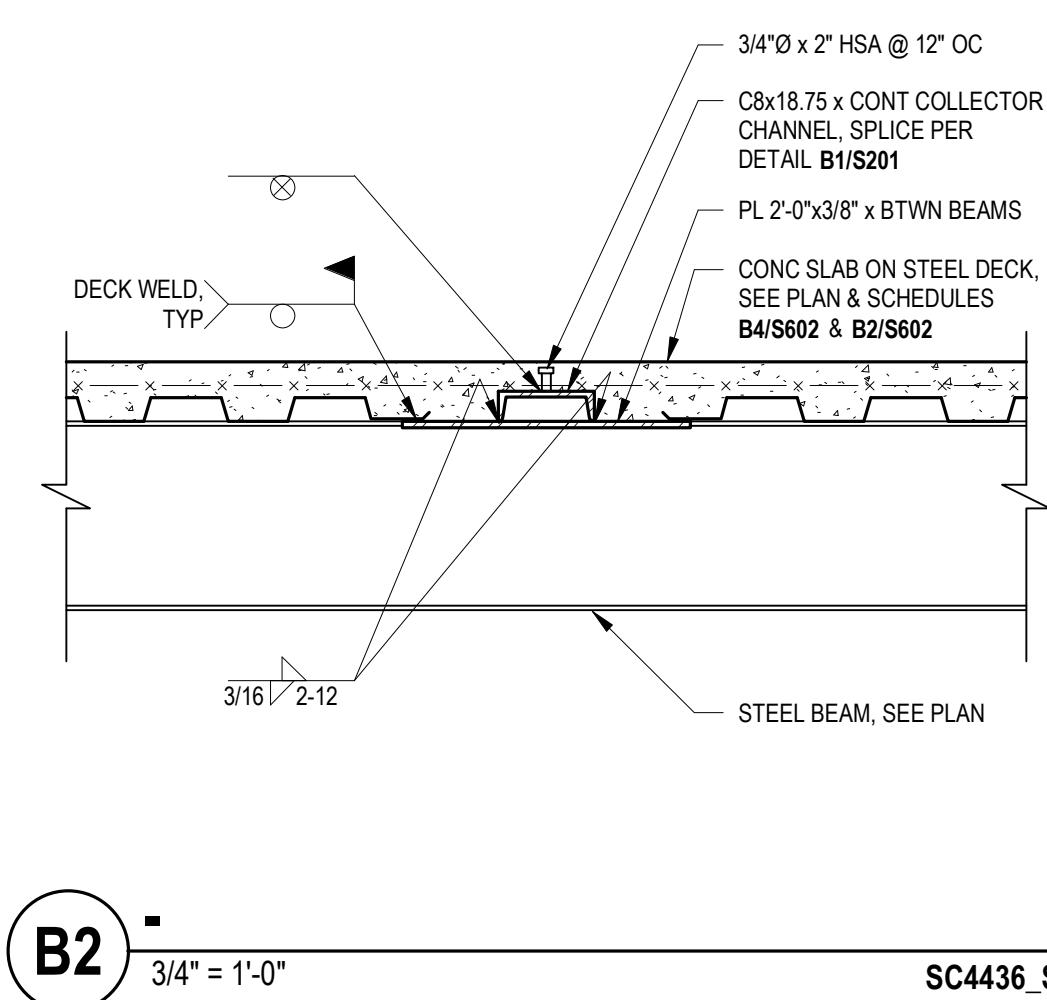
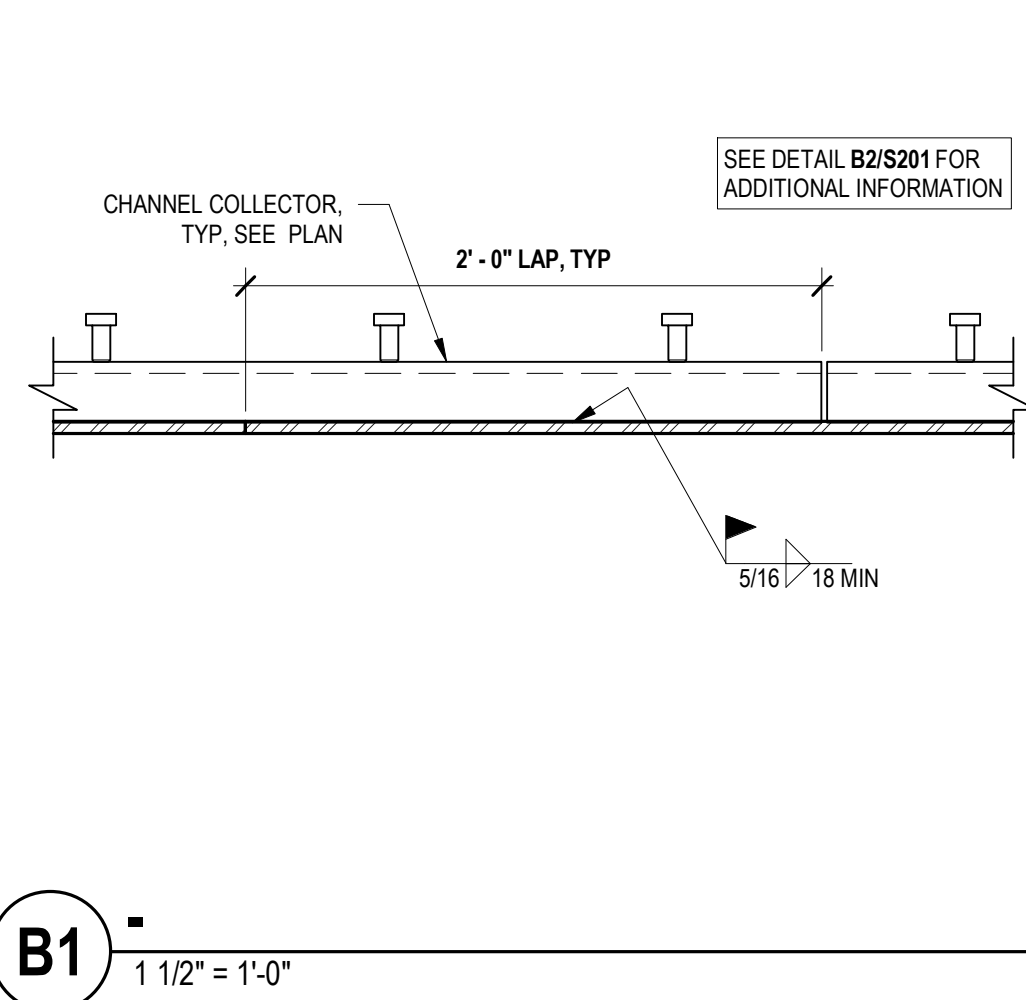
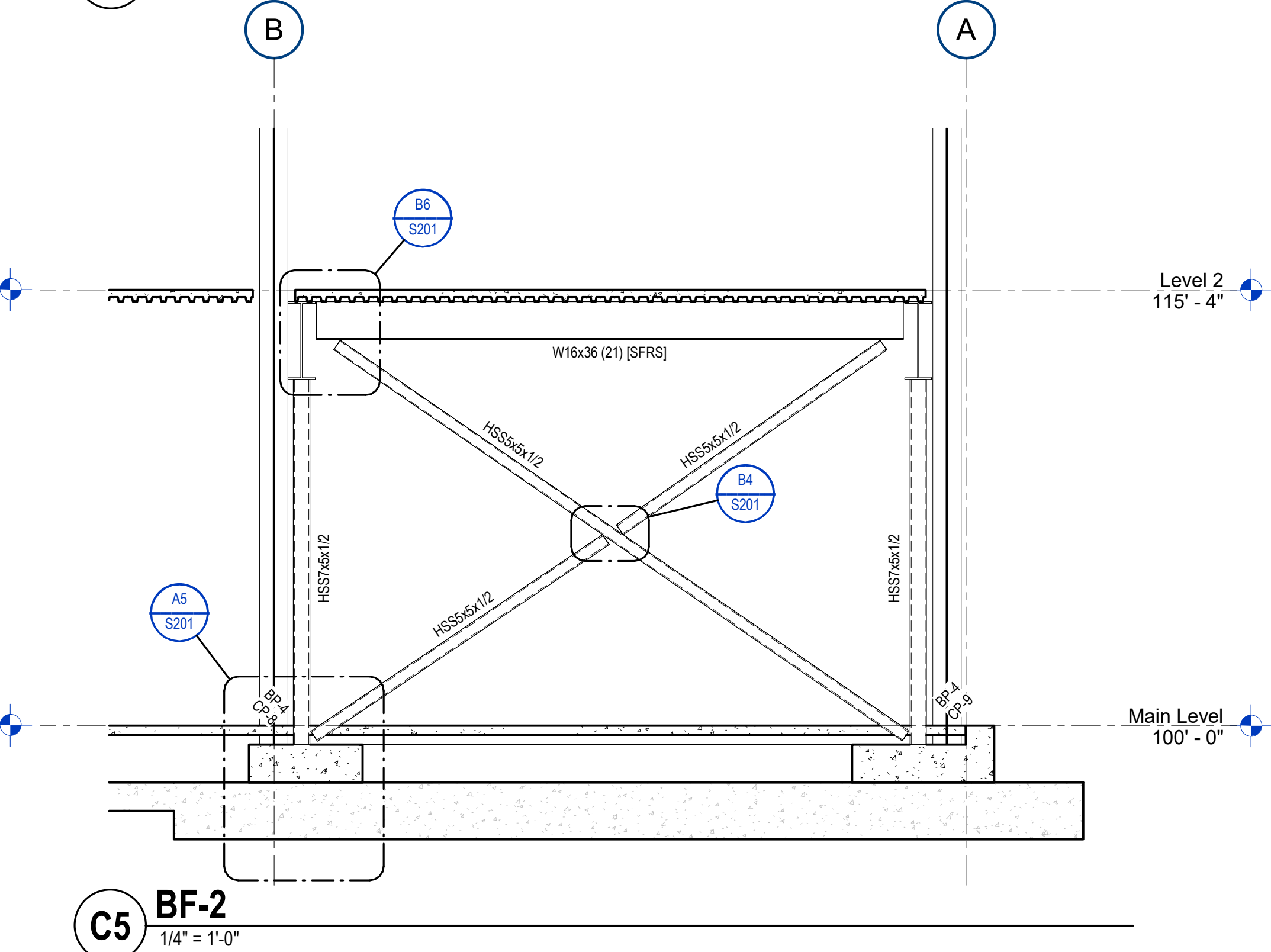
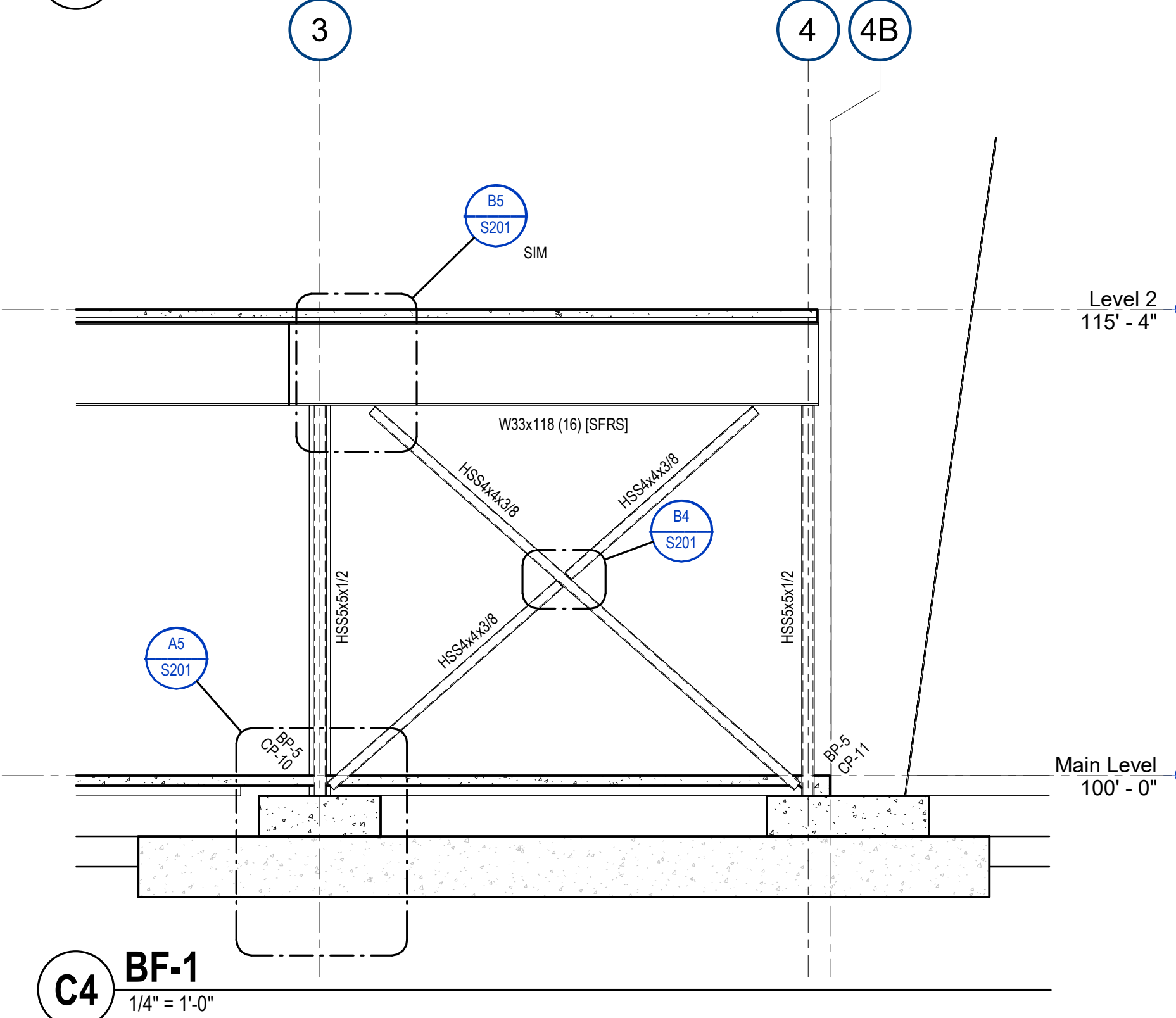
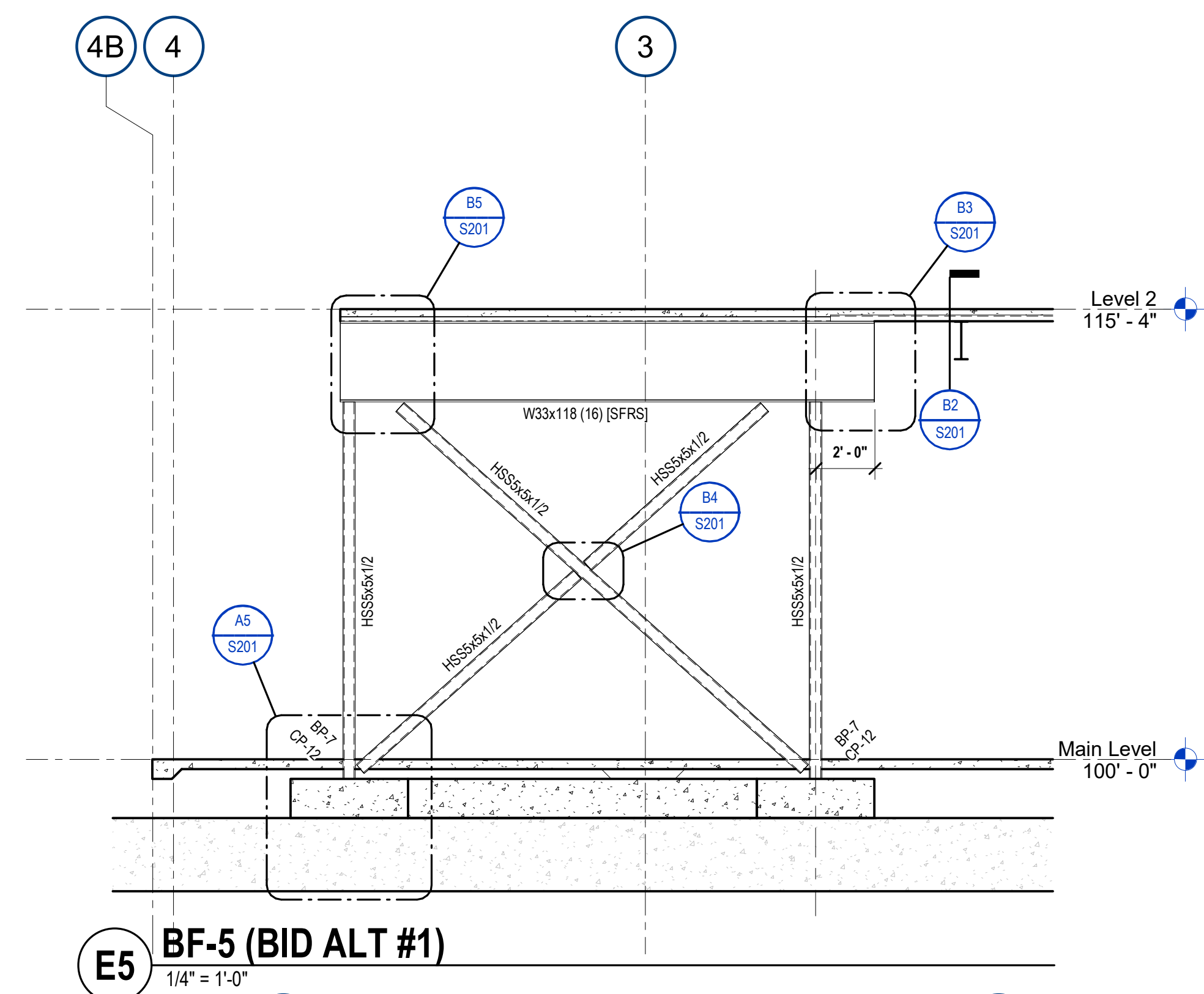
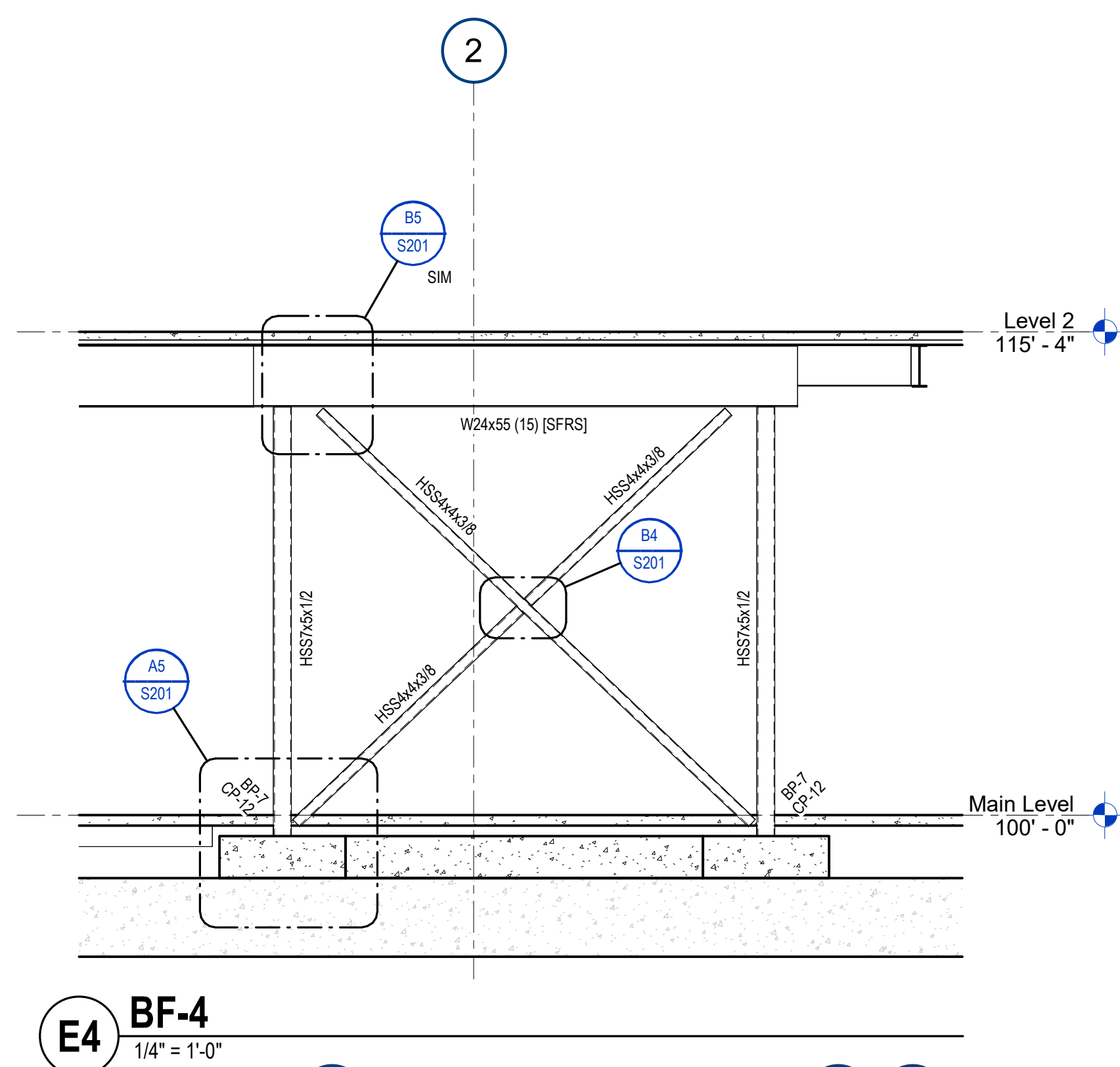
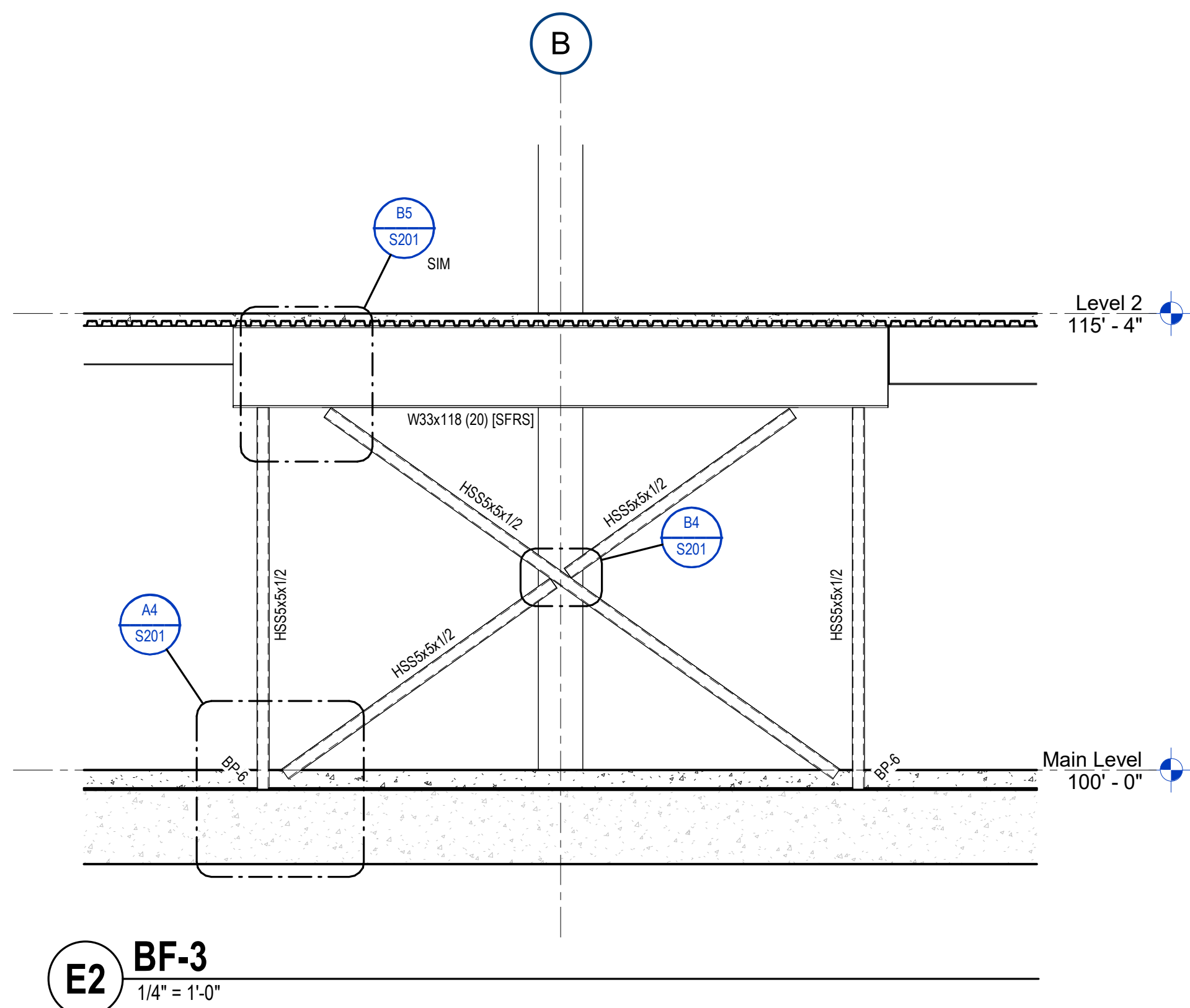
# Roof Framing Plan

1/8" = 1'-0"



DESCRIPTION	DATE

DATE: SEPTEMBER 12, 2024  
PROJECT #: 23-013  
PM / PA: KJM  
PIC: CLL



**NOTES:**

- GUSSET PLATE DIMENSIONS MAY BE INCREASED WITH ENGINEER'S APPROVAL WHERE REQD DUE TO CONNECTION GEOMETRY AND TO ACHIEVE WELD LENGTH SPECIFIED.
- WHERE MEMBER SIZE ALLOWS FOR ADDITIONAL WELD LENGTH, PROVIDE FULL WELDING OF ALL CONNECTIONS. WELD LENGTH SHOWN IS MINIMUM REQUIRED. BEAMS, BRACES AND GUSSET PLATES SHALL BE CENTERED ON COLUMNS.
- TUBE TO GUSSET WELDS OCCUR ON EACH SIDE OF EACH SLOT (4 PLACES).
- ALL FIELD WELDS TO BE SPECIAL INSPECTED.
- LINE A-A TO BE PERPENDICULAR TO BRACE CENTER LINE & OFFSET AS SHOWN. LINE A-A SHALL INTERSECT POINT OF GUSSET/CONCRETE INTERSECTION OR GUSSET/BEAM INTERSECTION. LINE A-A SHALL BE SHOWN ON THE SUBMITTED SHOP DWGS.



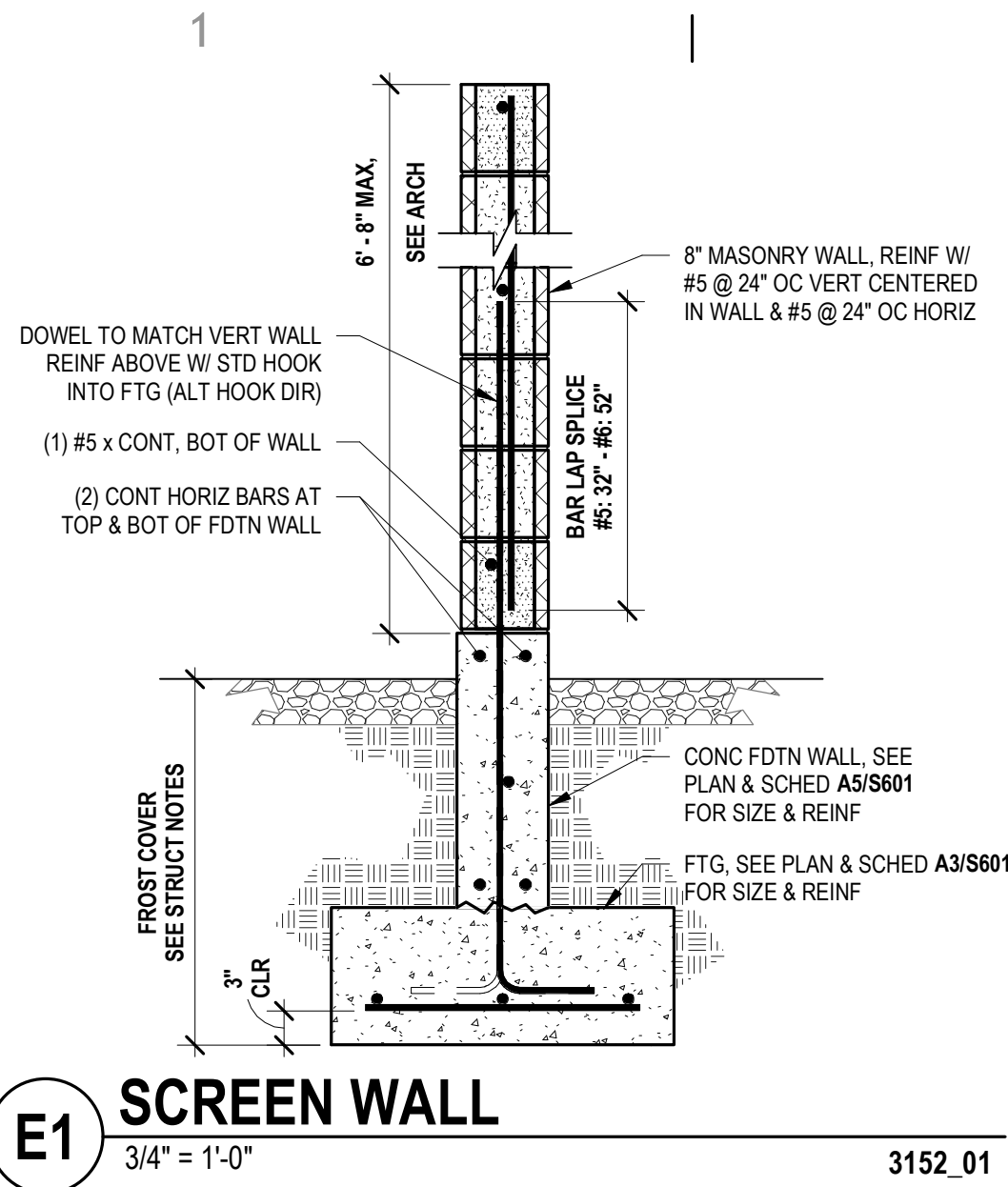
A

B

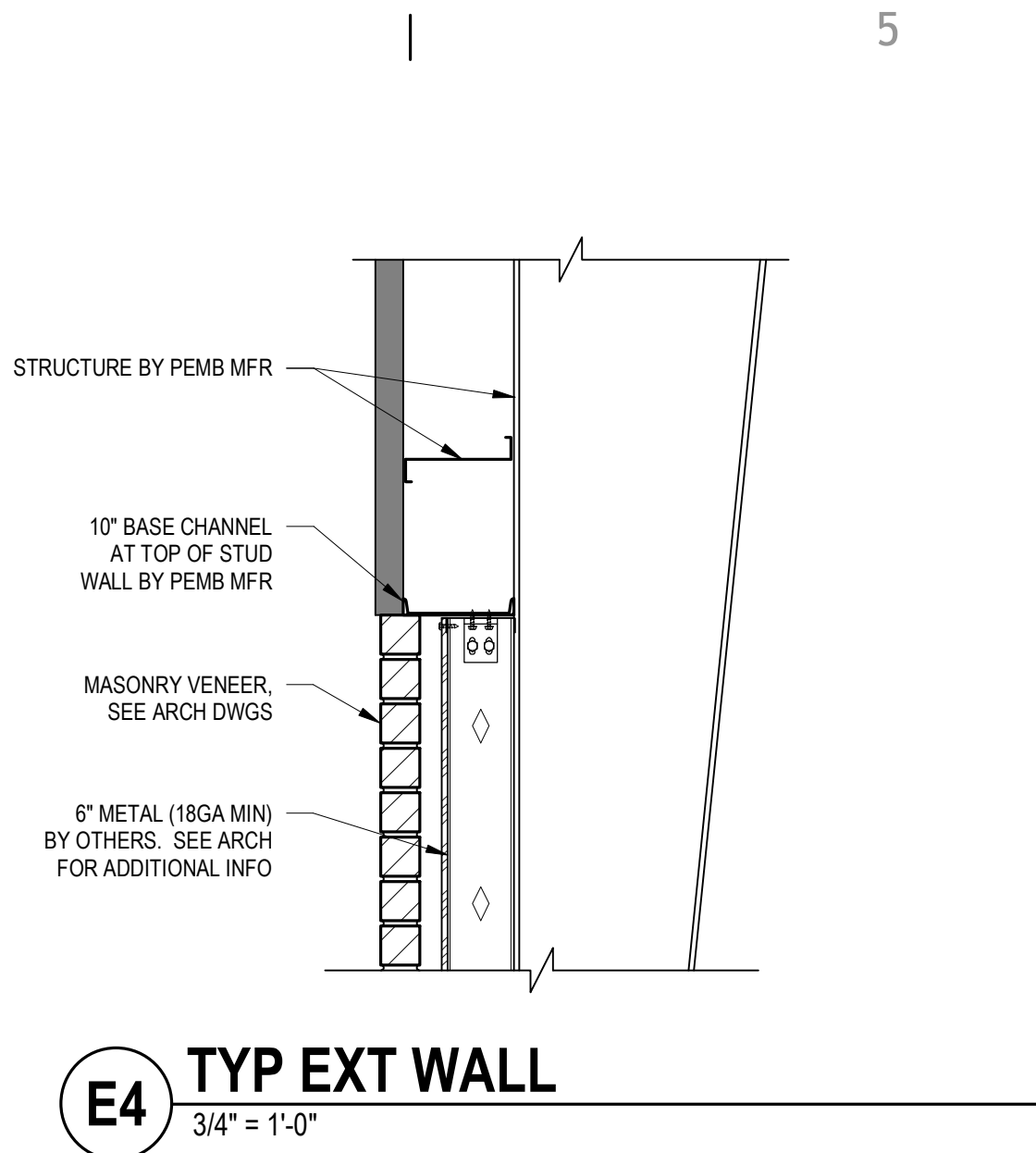
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D

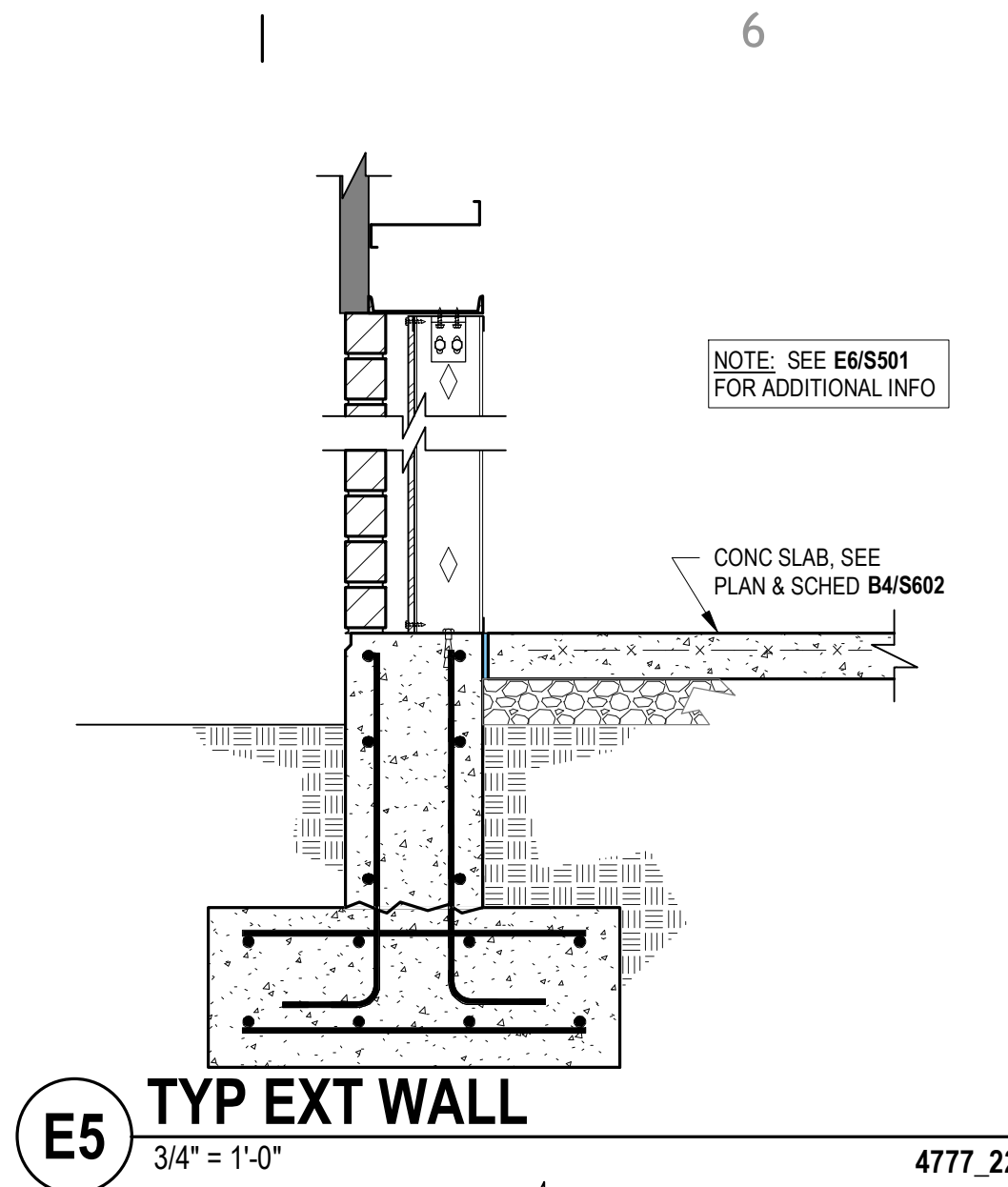
E



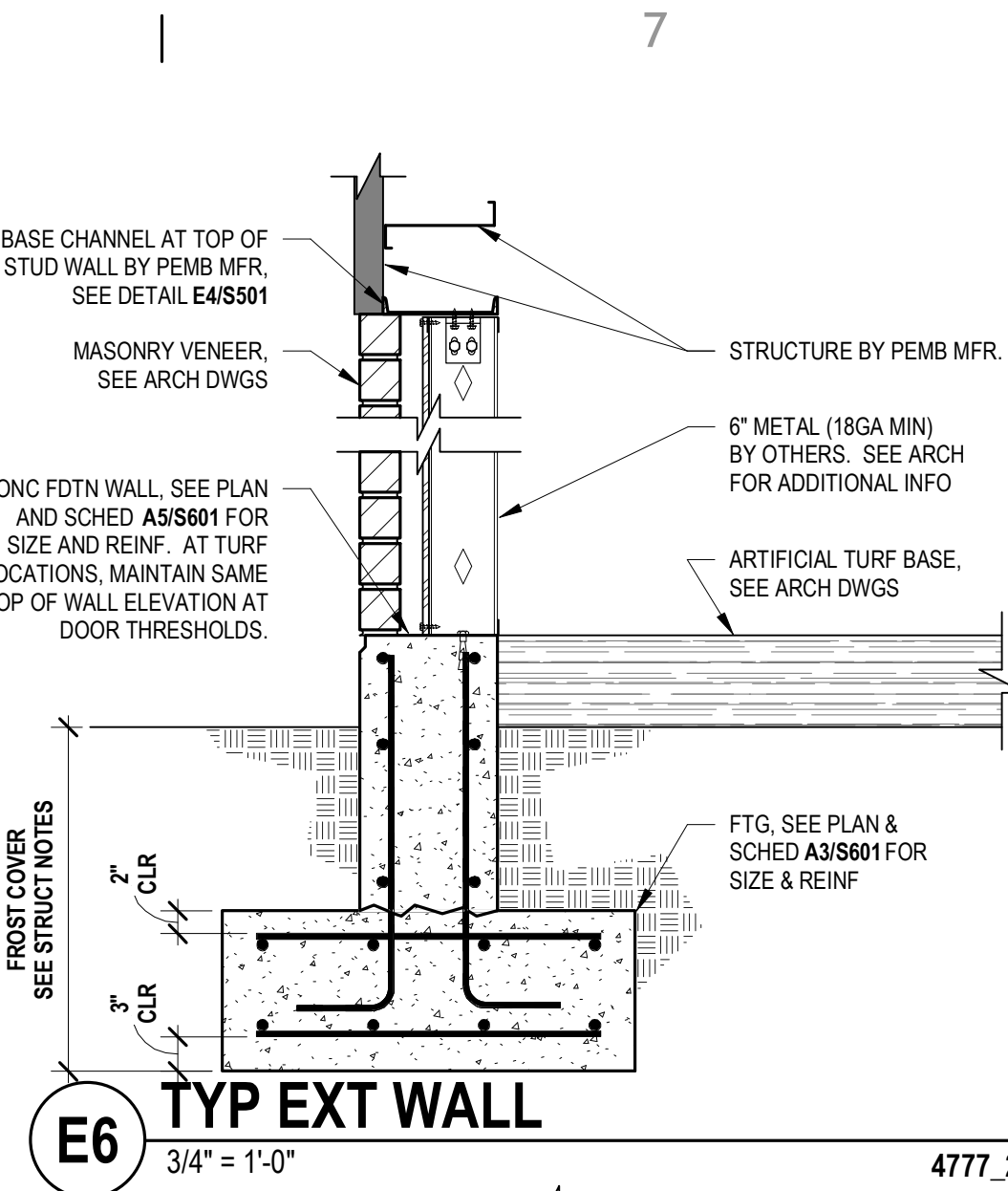
**E1 SCREEN WALL**  
3/4" = 1'-0" 3152\_01



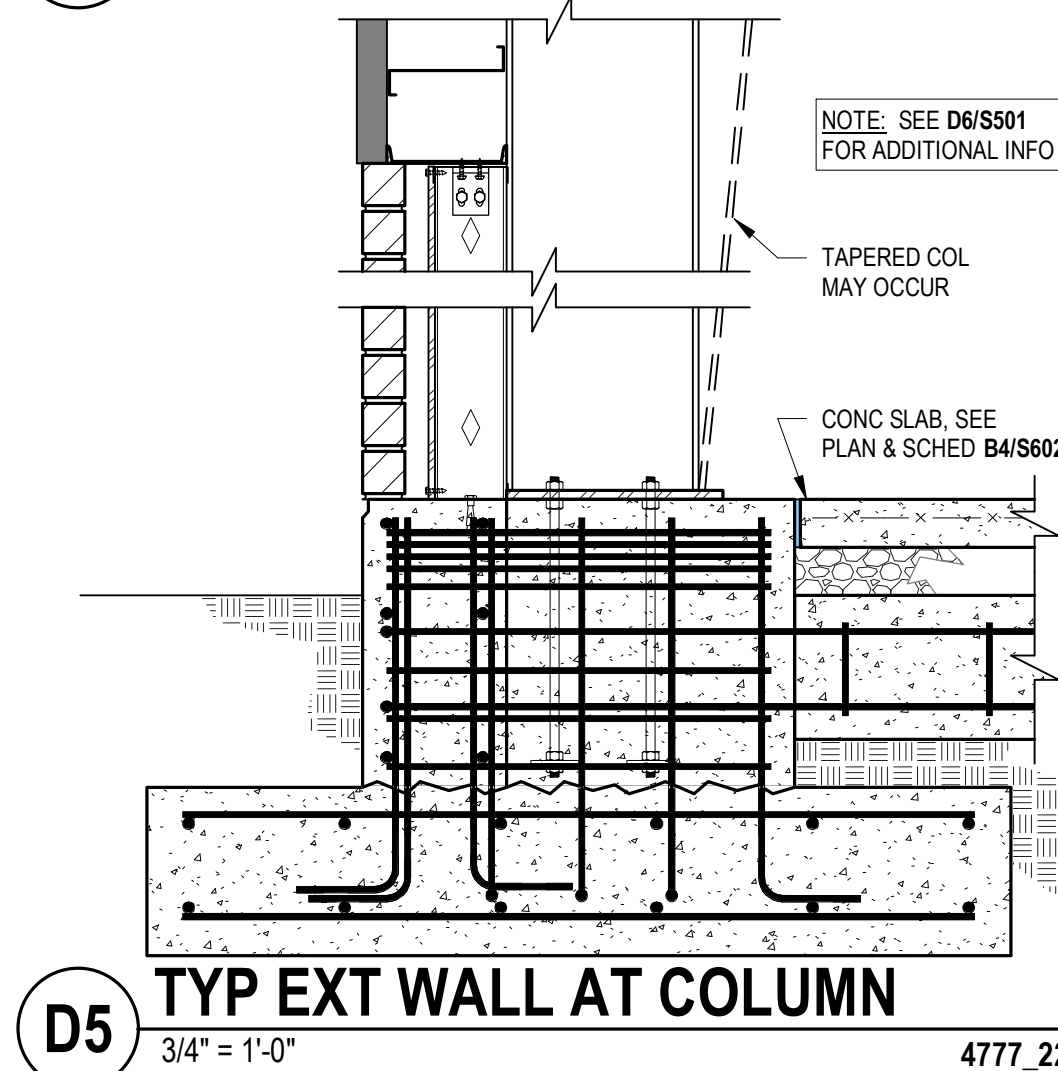
**E4 TYP EXT WALL**  
3/4" = 1'-0"



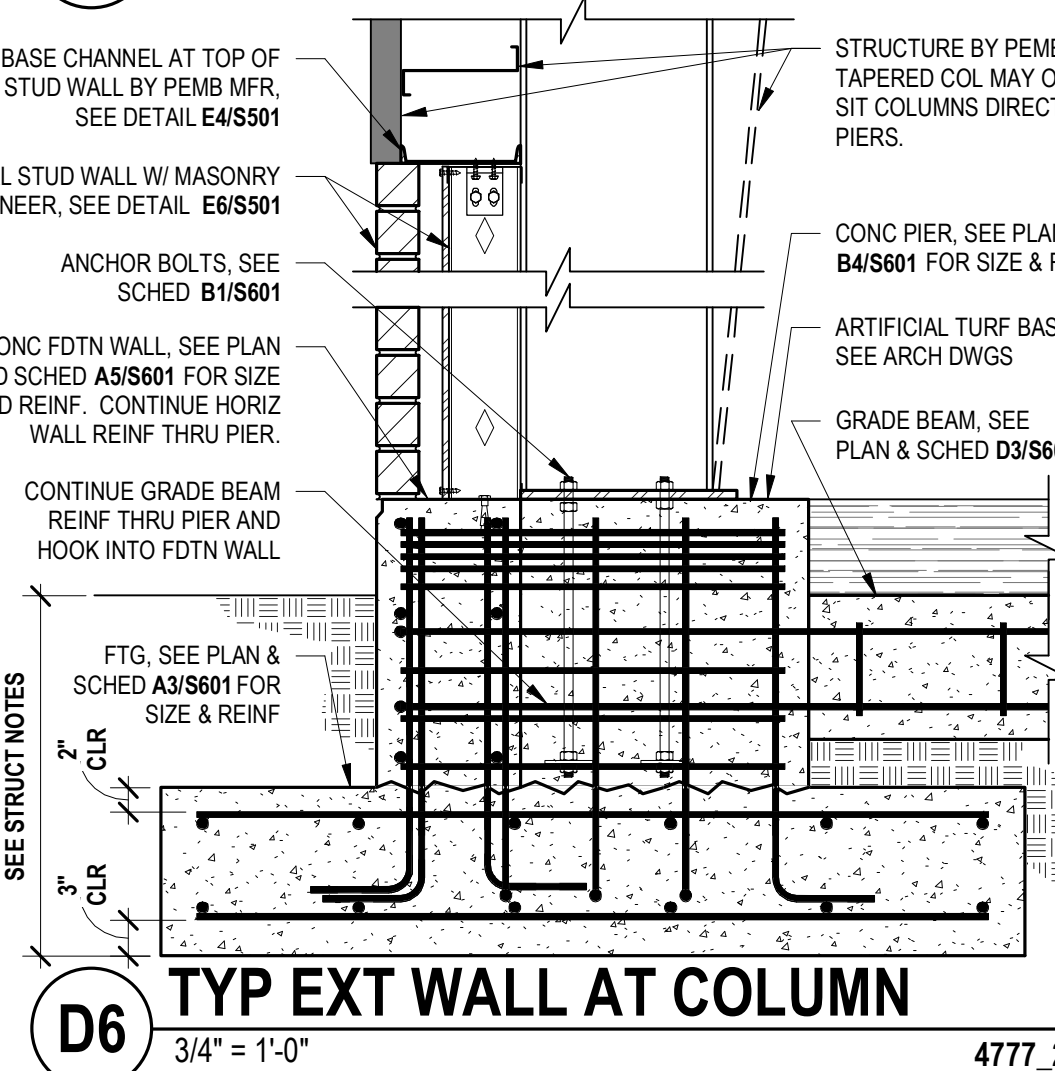
**E5 TYP EXT WALL**  
3/4" = 1'-0" 4777\_22



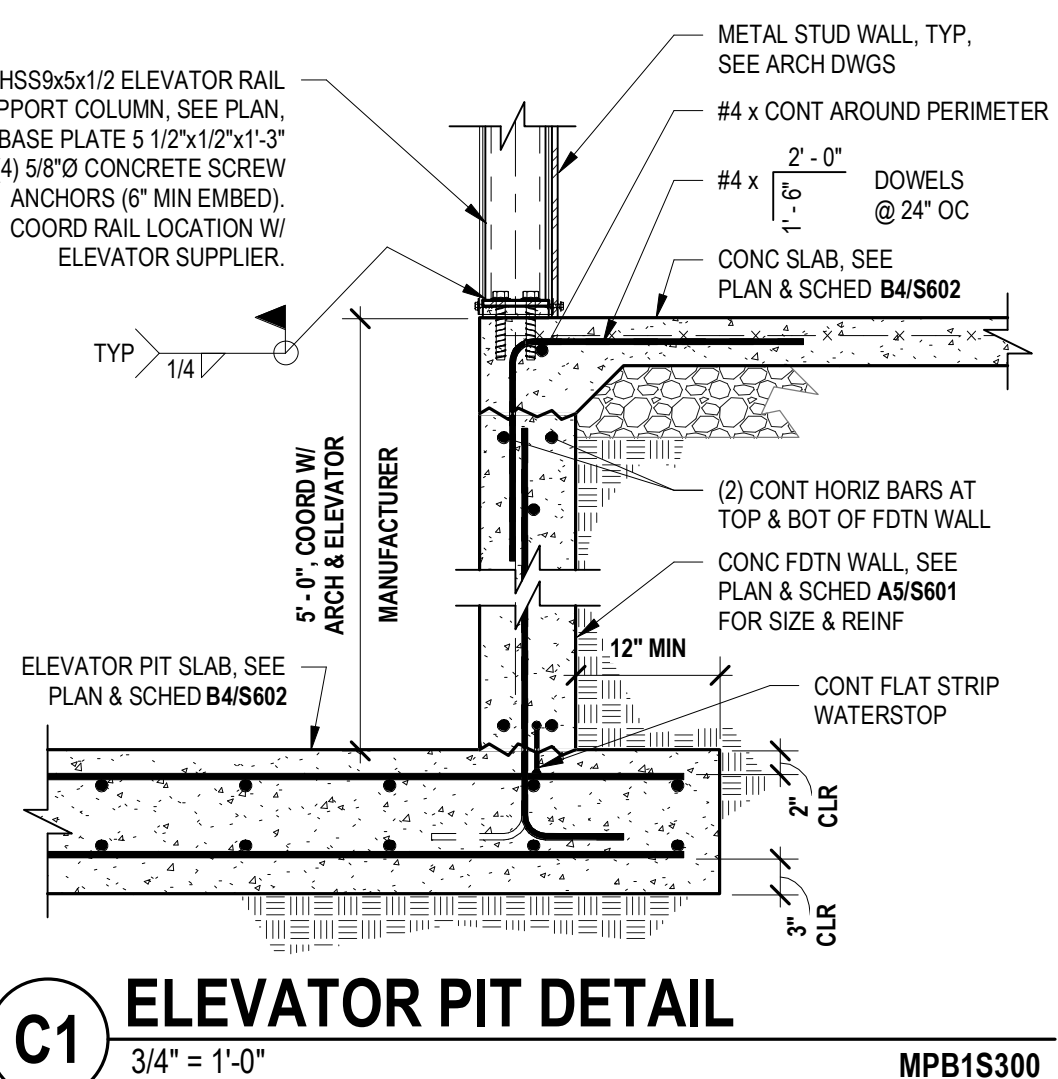
**E6 TYP EXT WALL**  
3/4" = 1'-0" 4777\_22



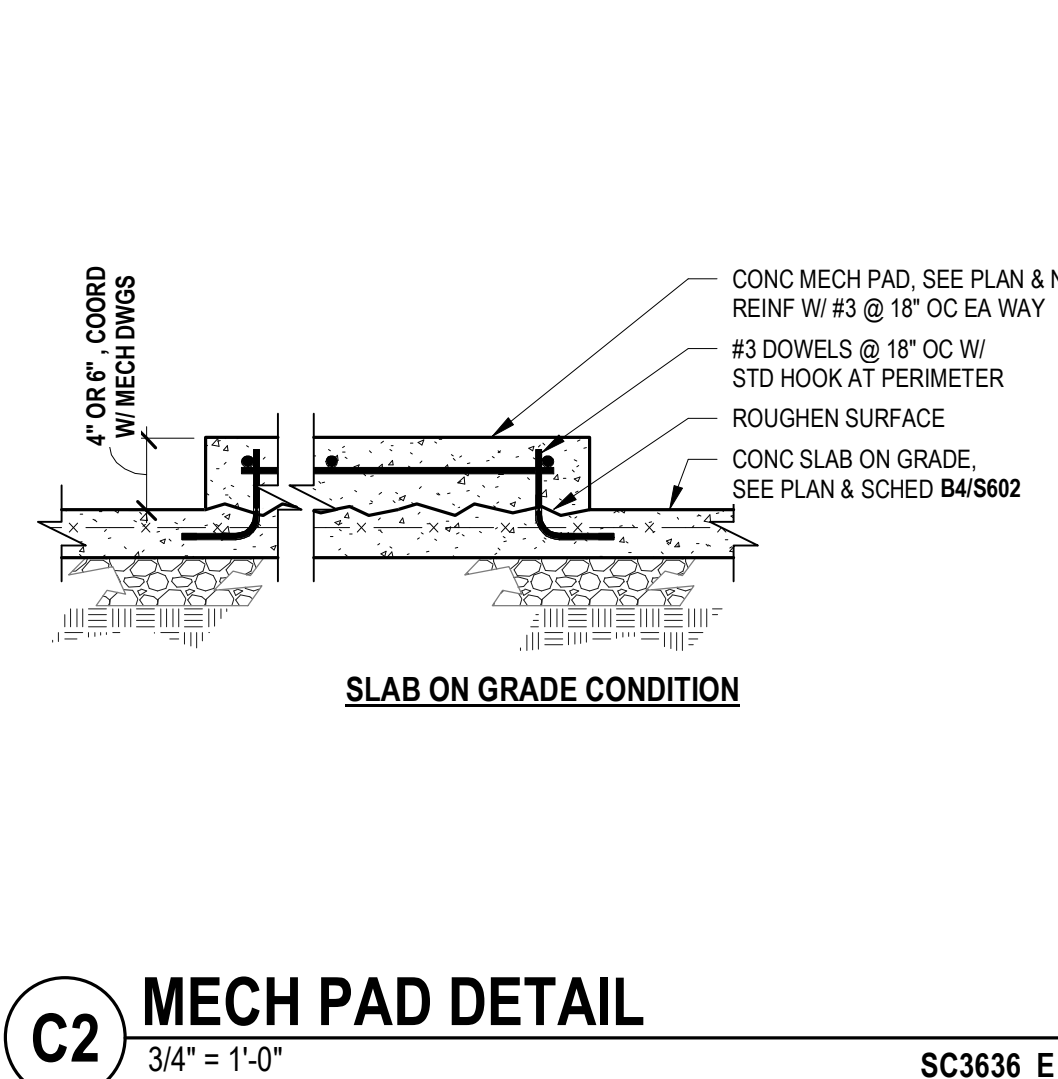
**D5 TYP EXT WALL AT COLUMN**  
3/4" = 1'-0" 4777\_22



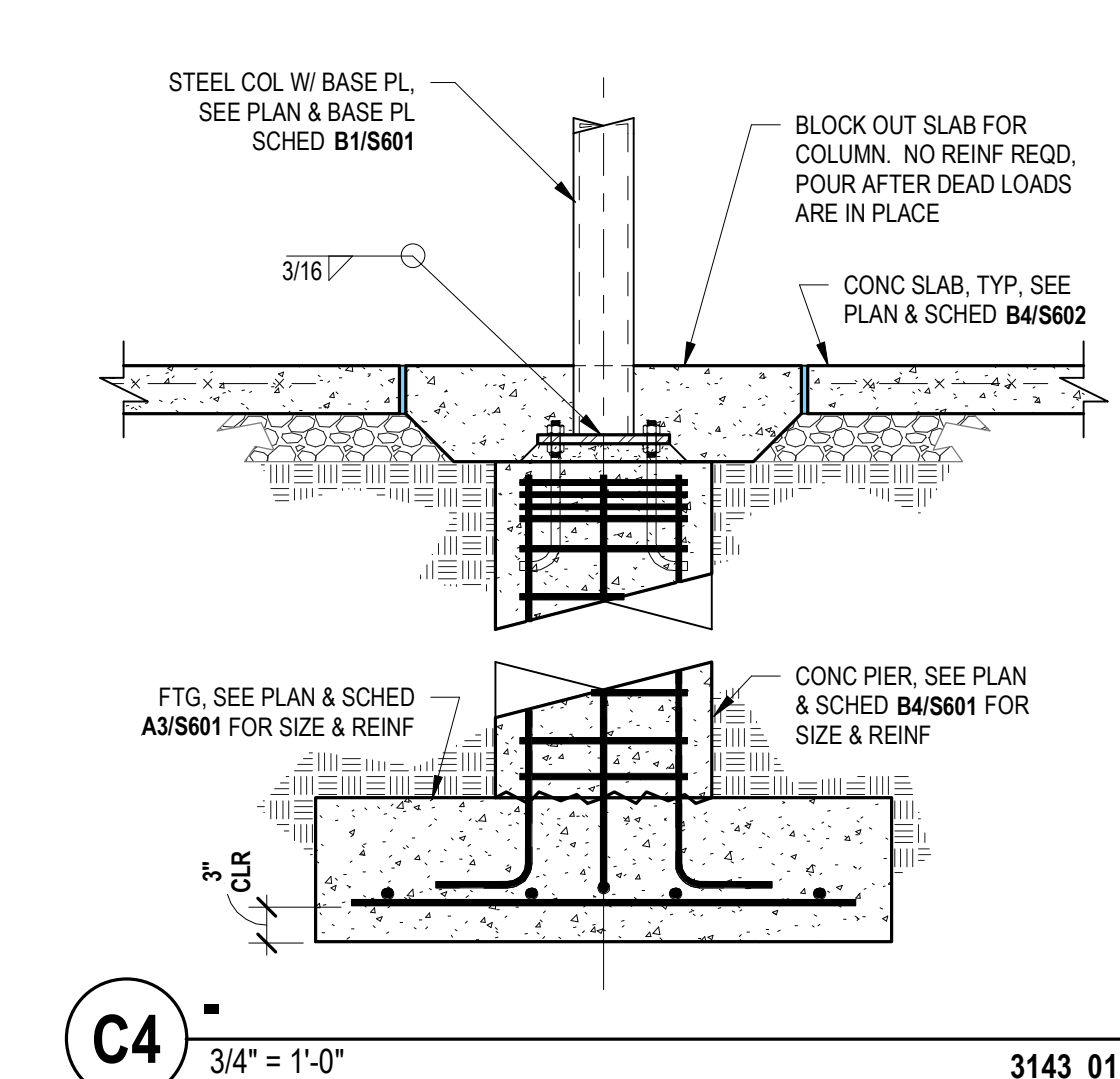
**D6 TYP EXT WALL AT COLUMN**  
3/4" = 1'-0" 4777\_22



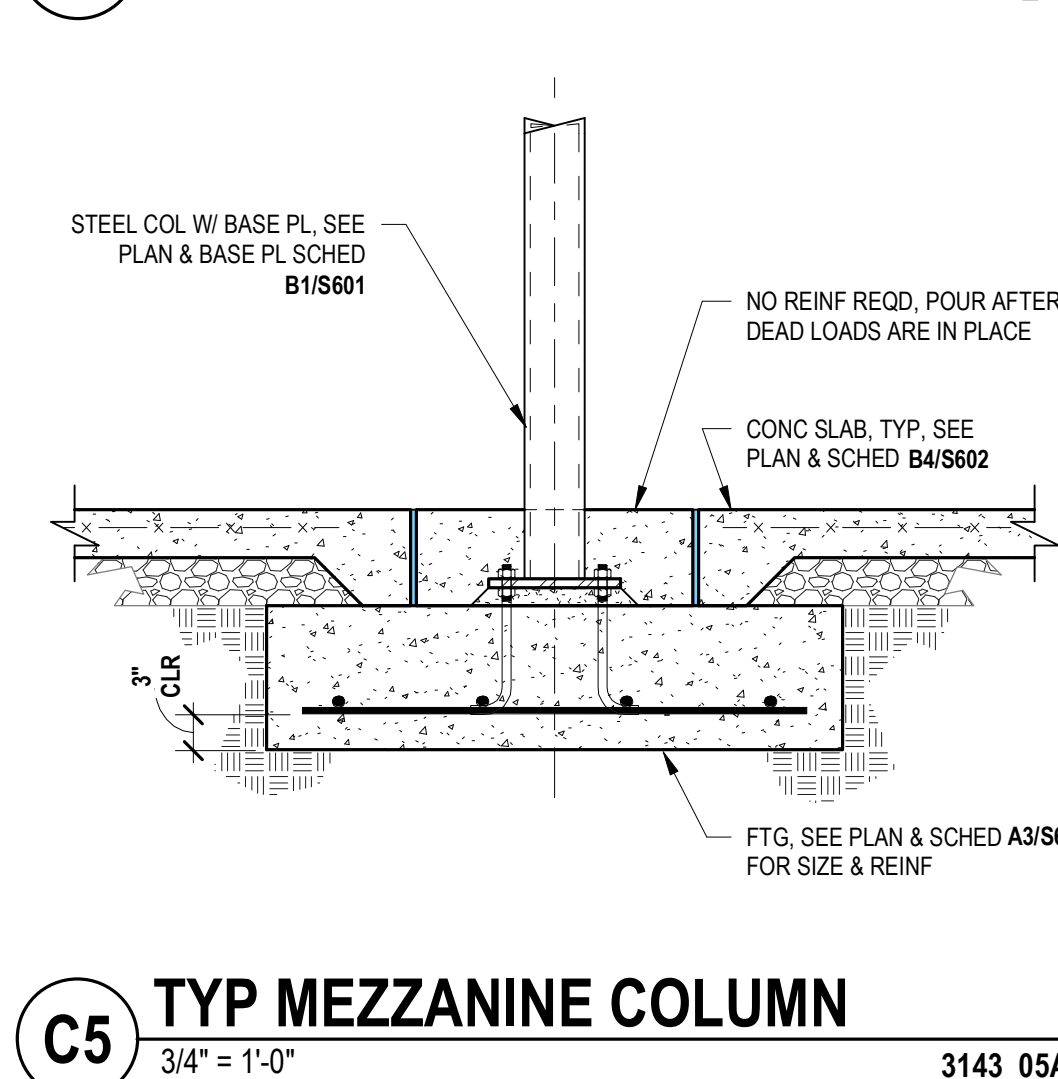
**C1 ELEVATOR PIT DETAIL**  
3/4" = 1'-0" MPB15300



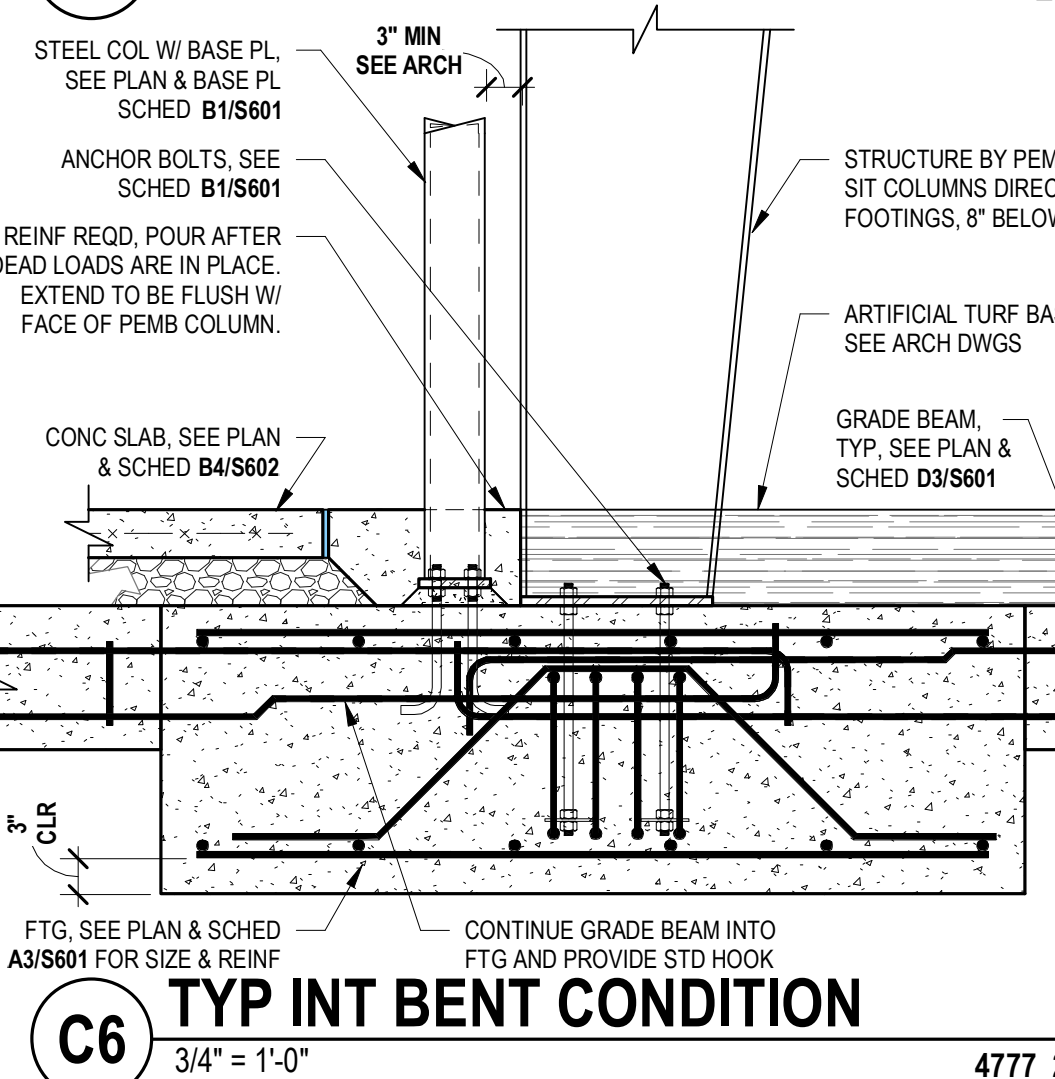
**C2 MECH PAD DETAIL**  
3/4" = 1'-0" SC3636\_E



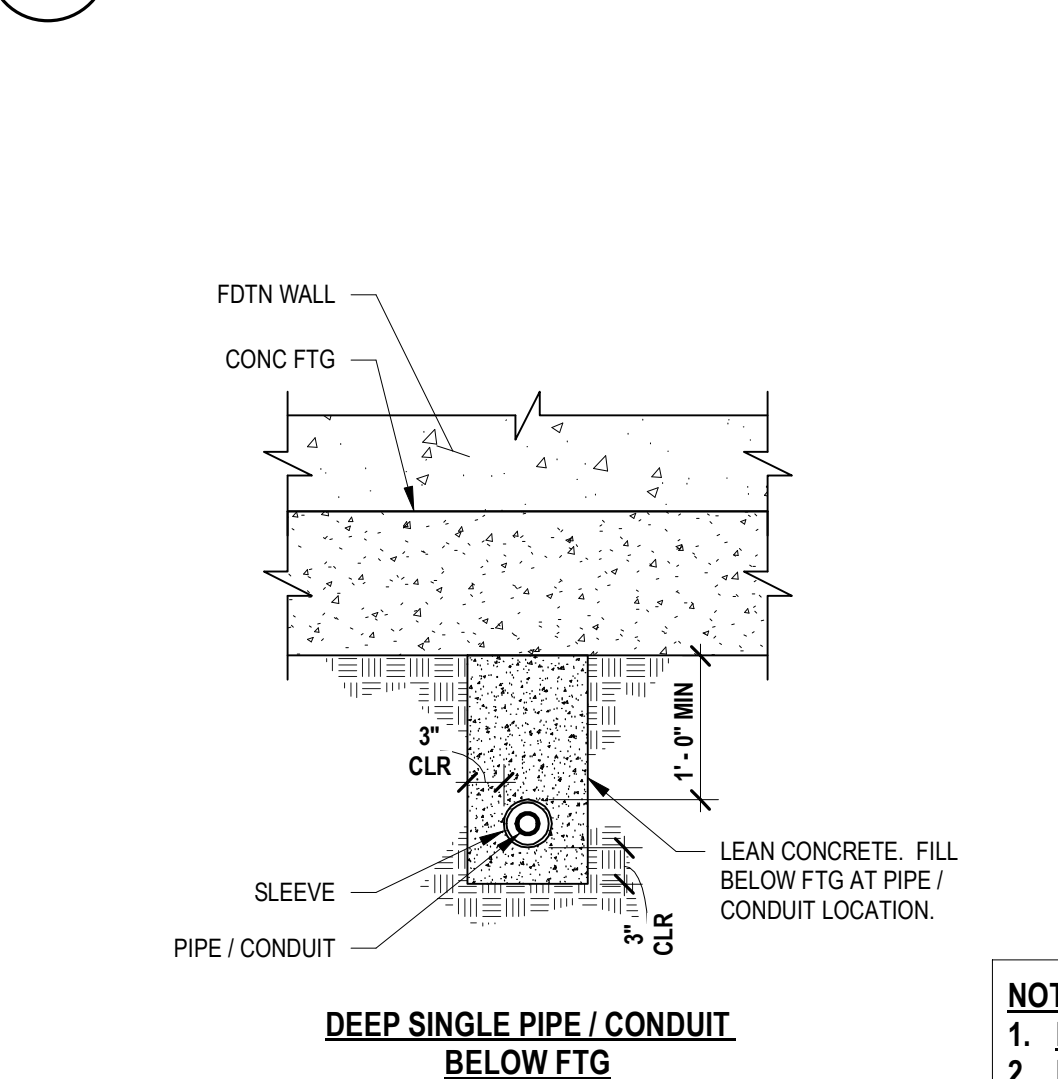
**C4 TYP MEZZANINE COLUMN**  
3/4" = 1'-0" 3143\_01



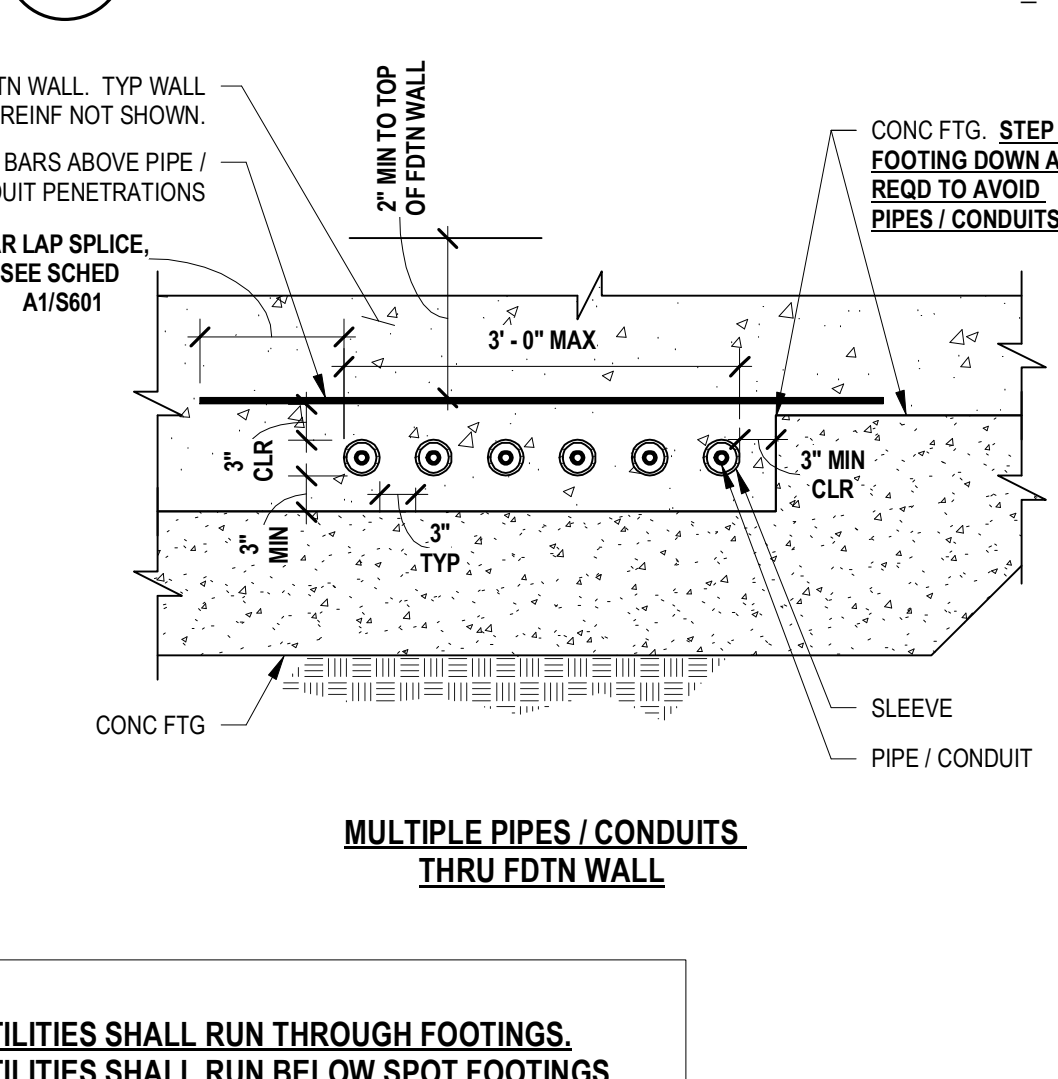
**C5 TYP MEZZANINE COLUMN**  
3/4" = 1'-0" 3143\_05A



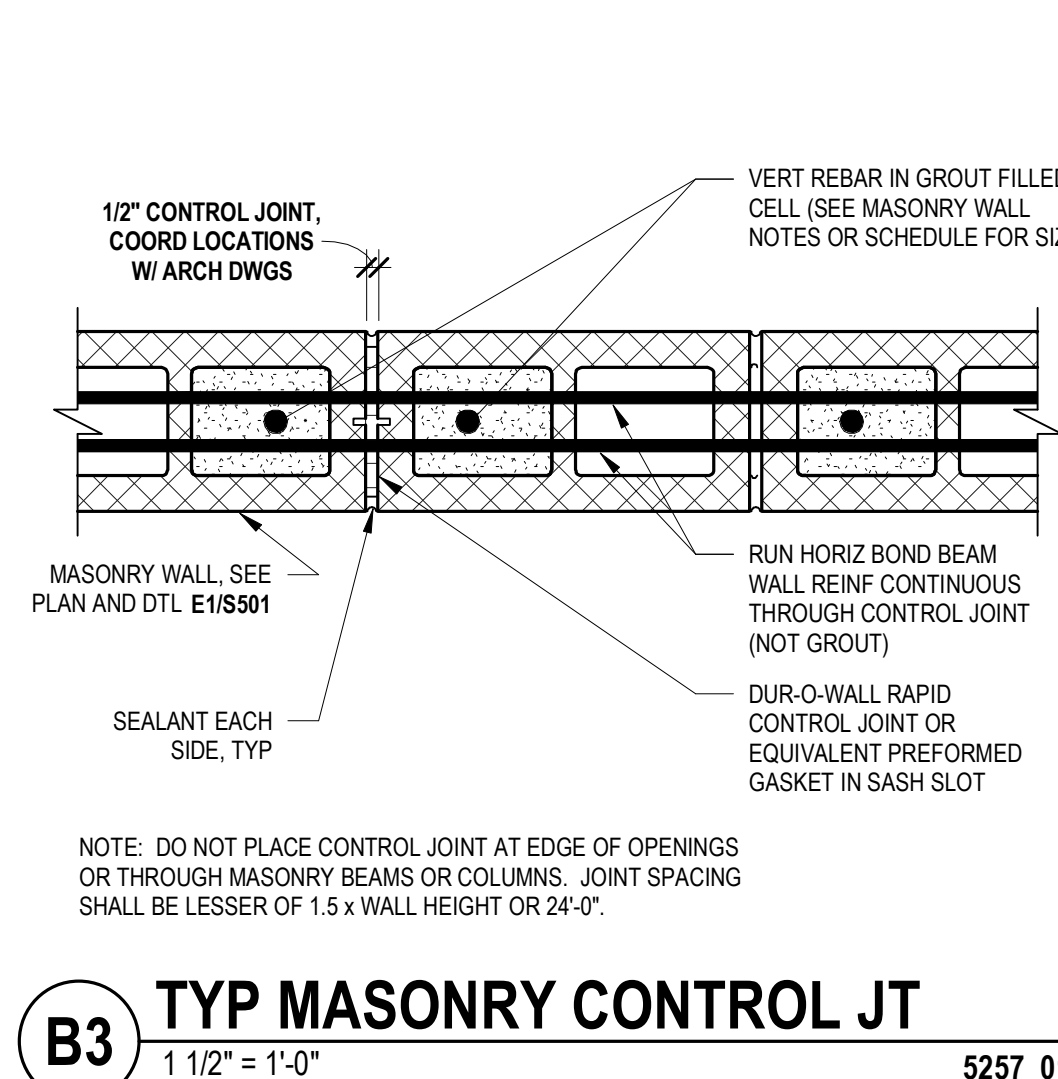
**C6 TYP INT BENT CONDITION**  
3/4" = 1'-0" 4777\_22



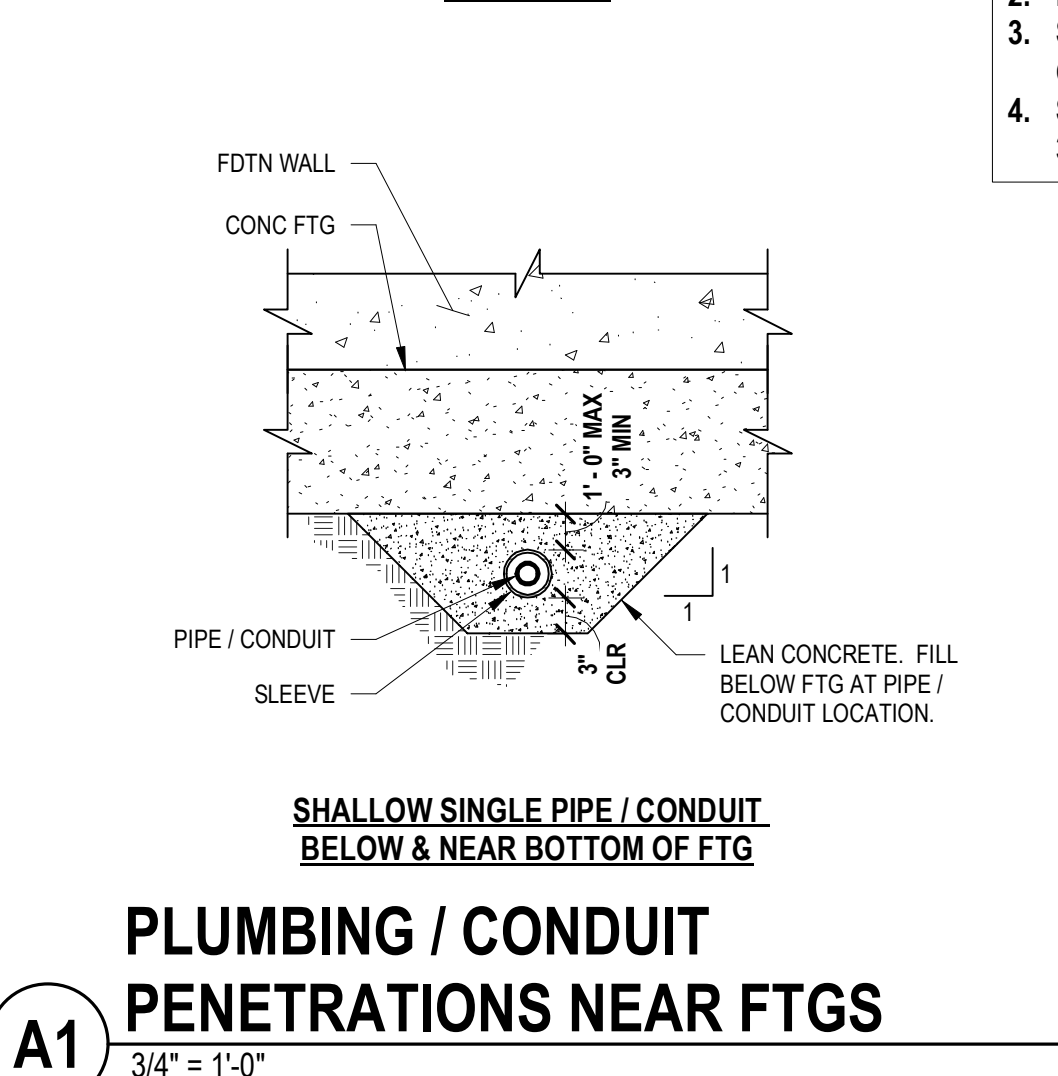
**C1 DEEP SINGLE PIPE / CONDUIT BELOW FTG**  
3/4" = 1'-0"



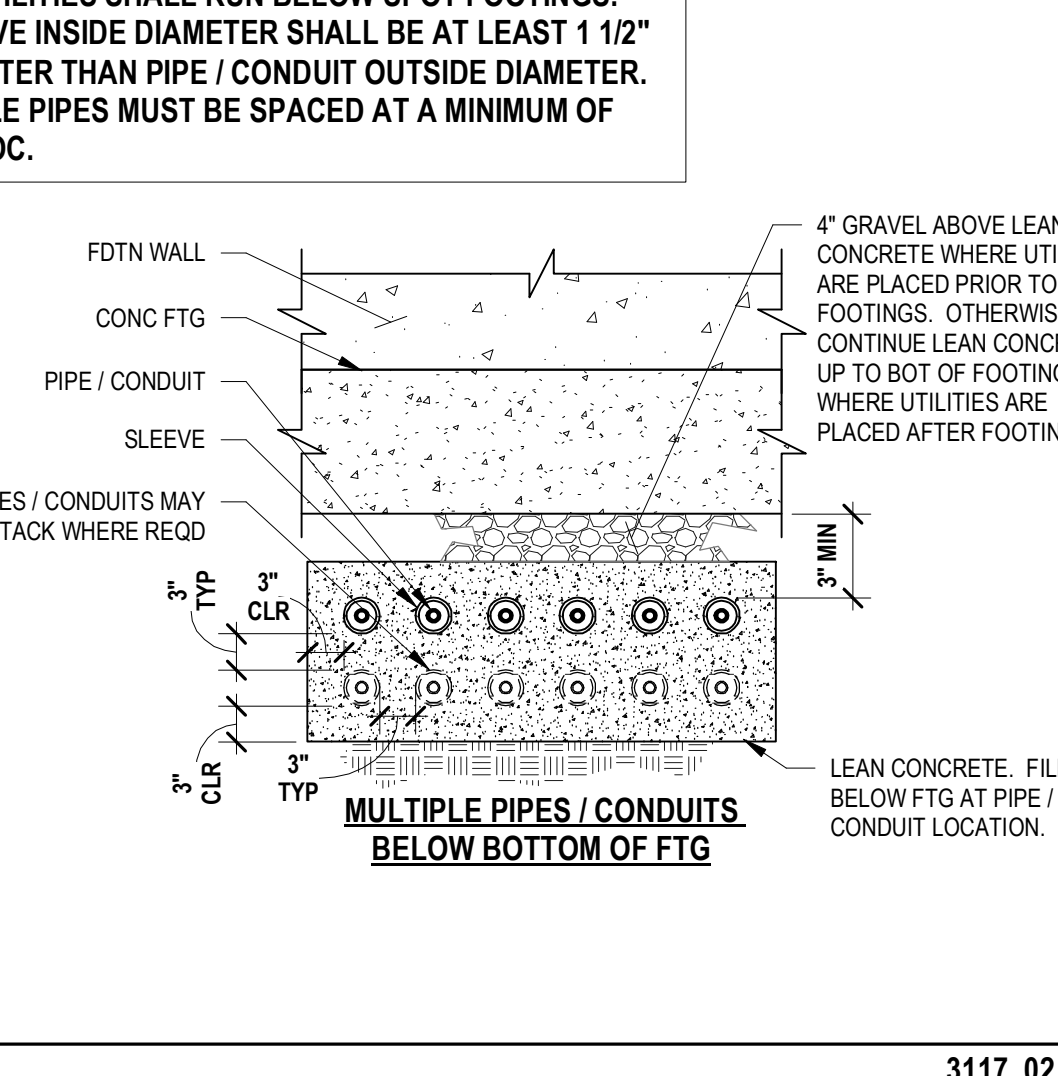
**C2 MULTIPLE PIPES / CONDUITS THRU FDN WALL**  
3/4" = 1'-0"



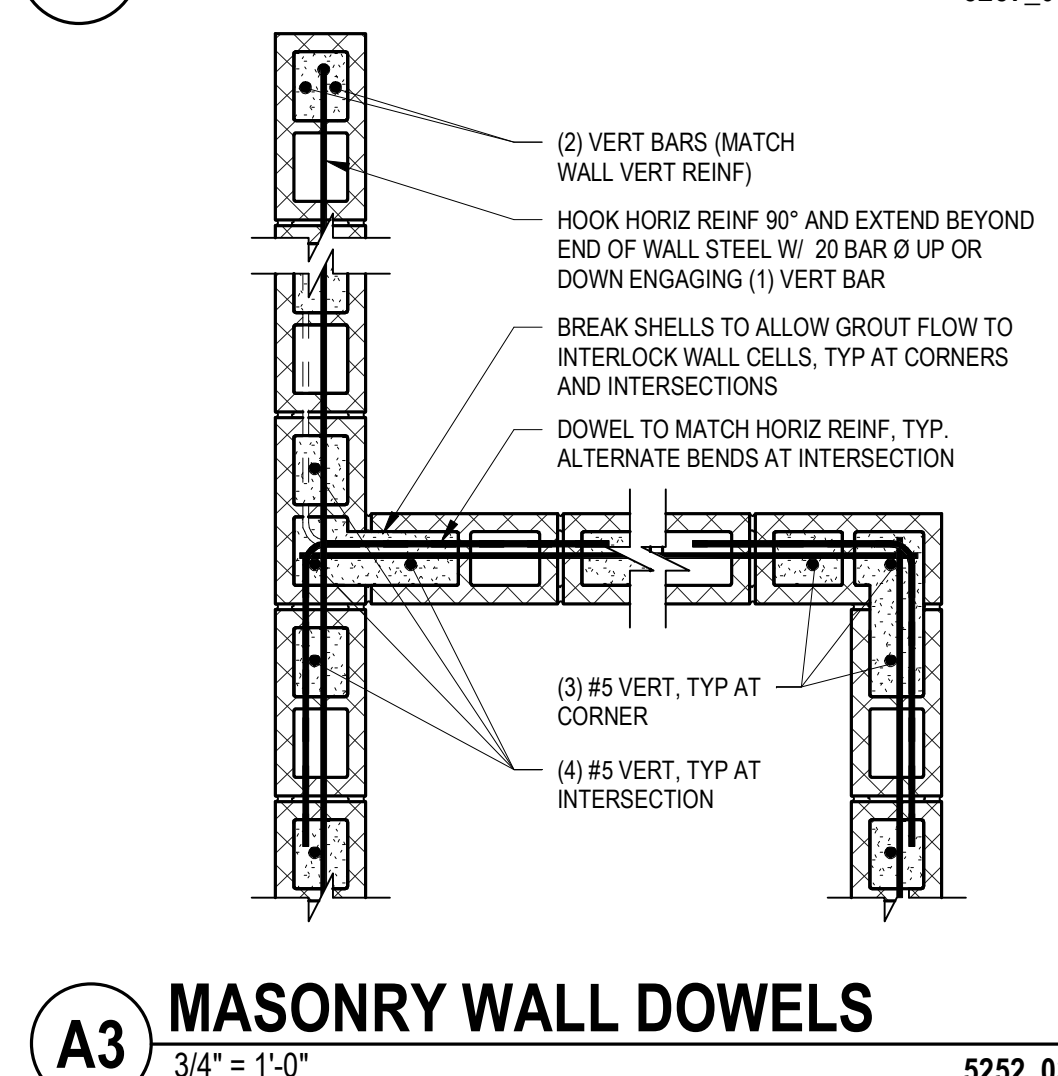
**B3 TYP MASONRY CONTROL JT**  
1 1/2" = 1'-0" 5257\_01



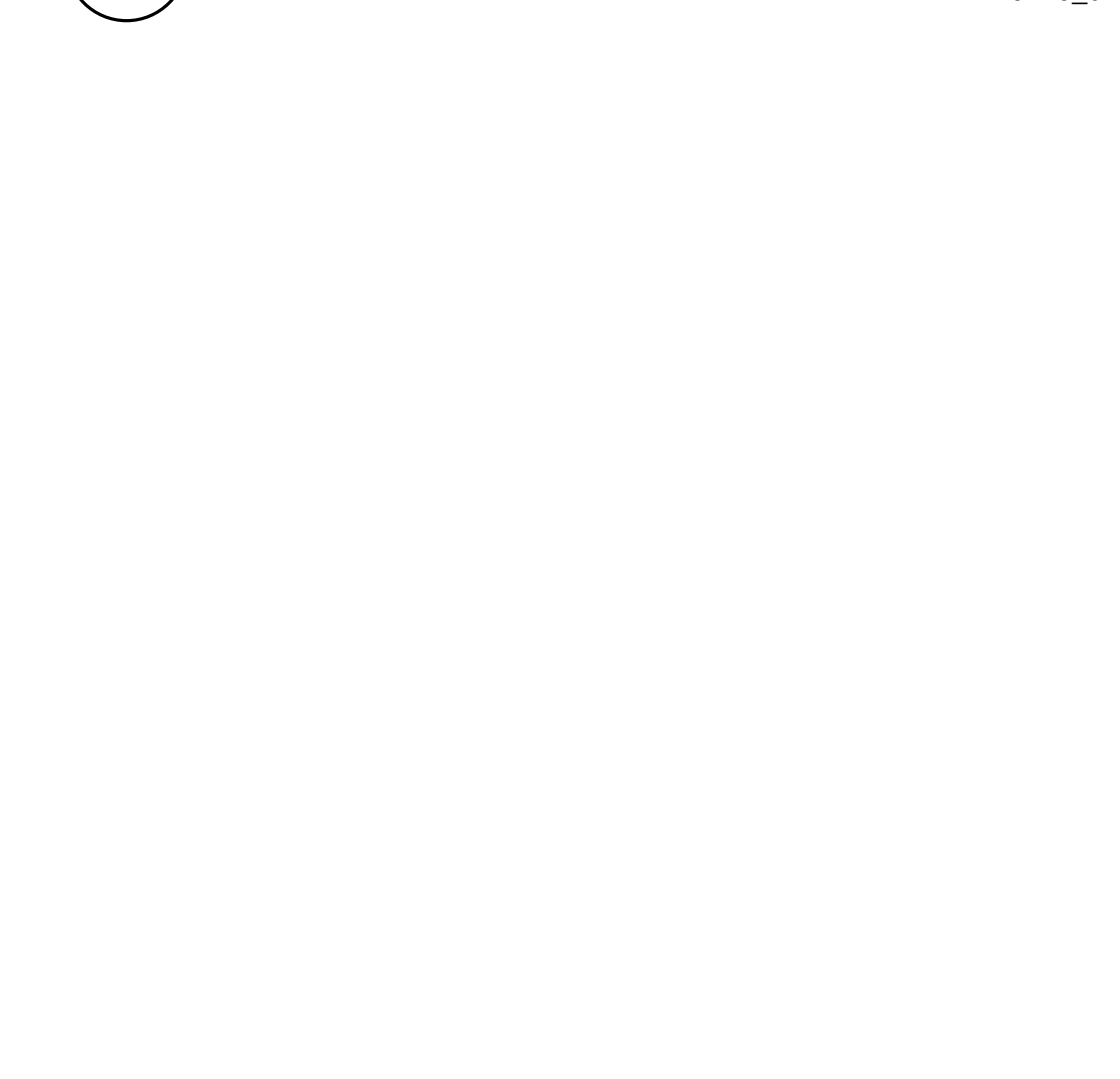
**A1 SHALLOW SINGLE PIPE / CONDUIT BELOW & NEAR BOTTOM OF FTG**  
3/4" = 1'-0" 3117\_02



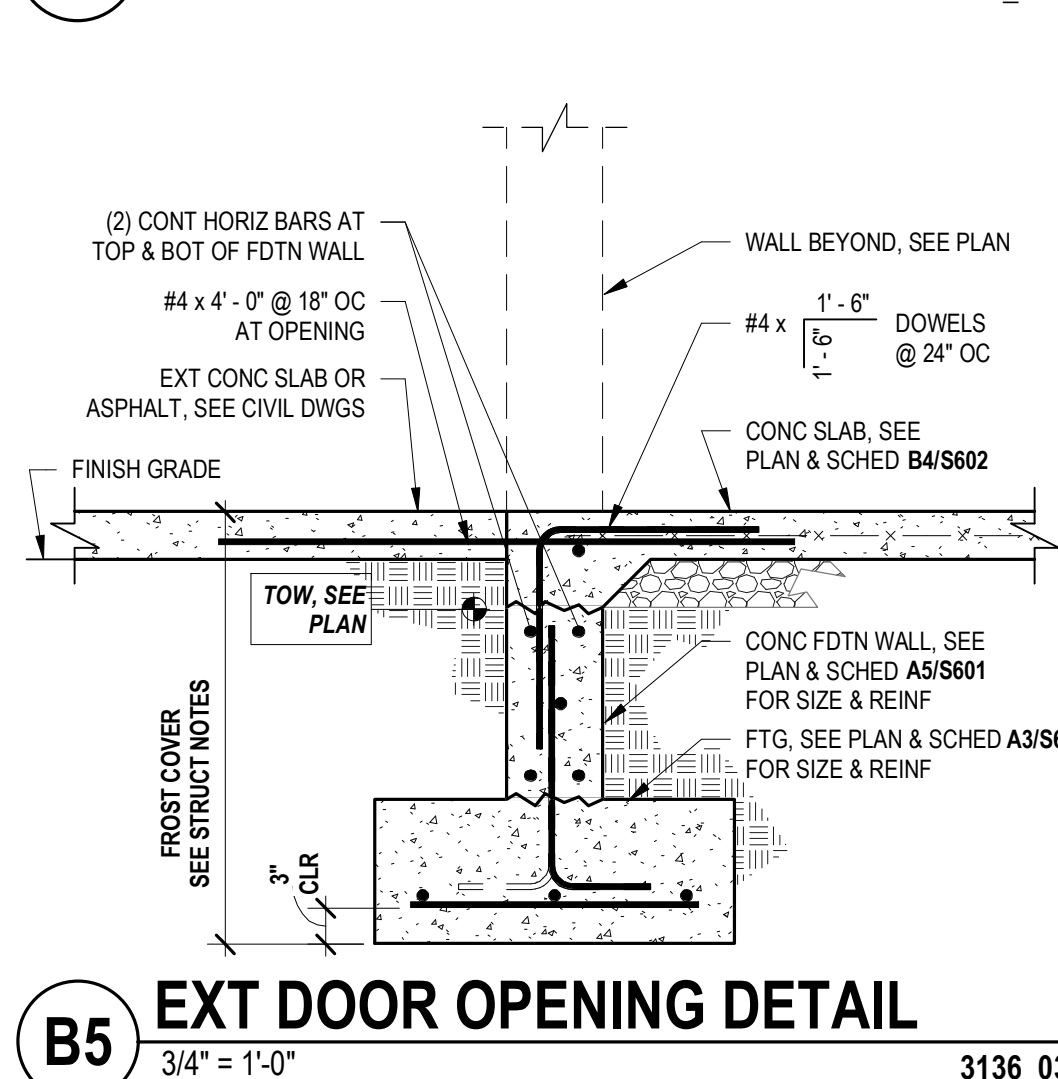
**A2 MULTIPLE PIPES / CONDUITS BELOW BOTTOM OF FTG**  
3/4" = 1'-0" 3117\_02



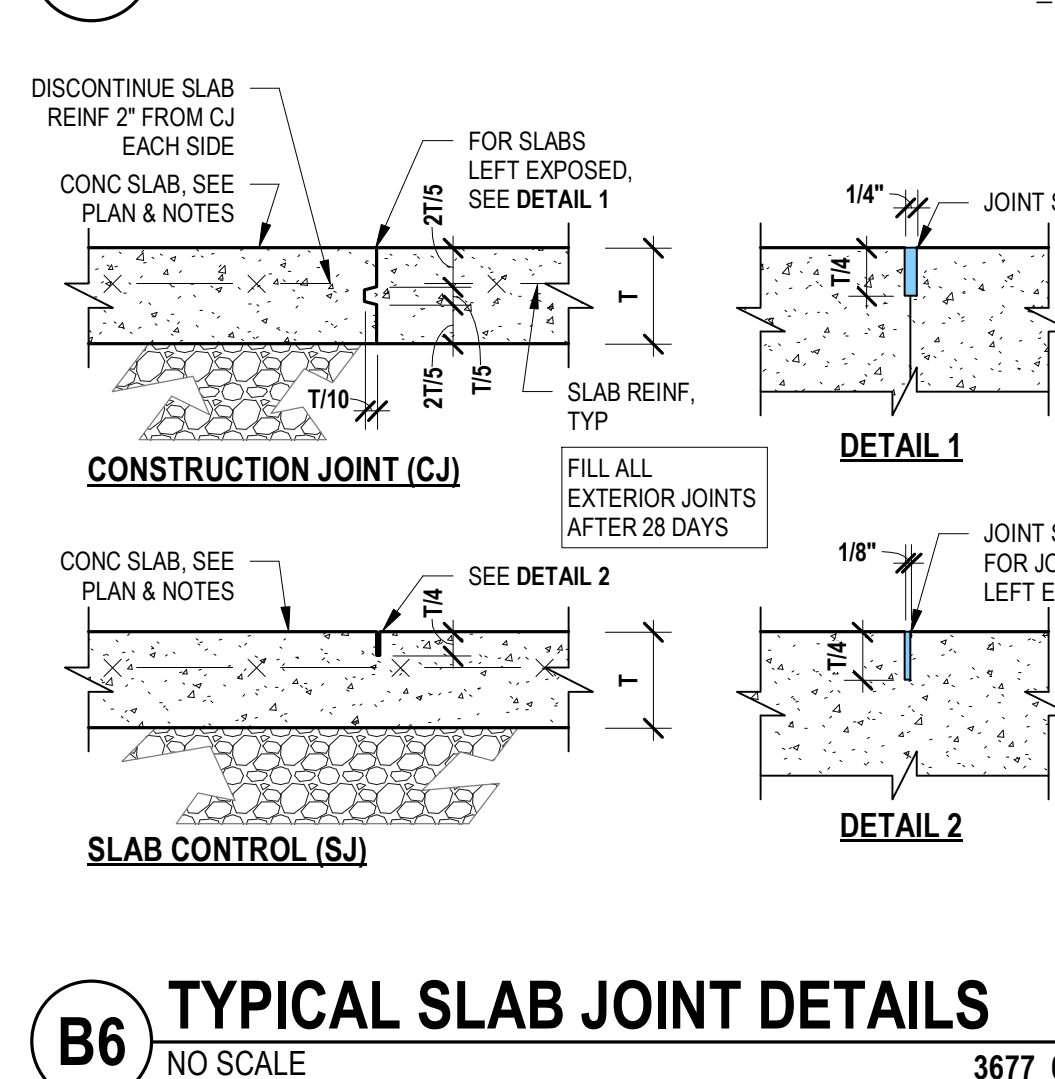
**A3 MASONRY WALL DOWELS**  
3/4" = 1'-0" 5252\_03



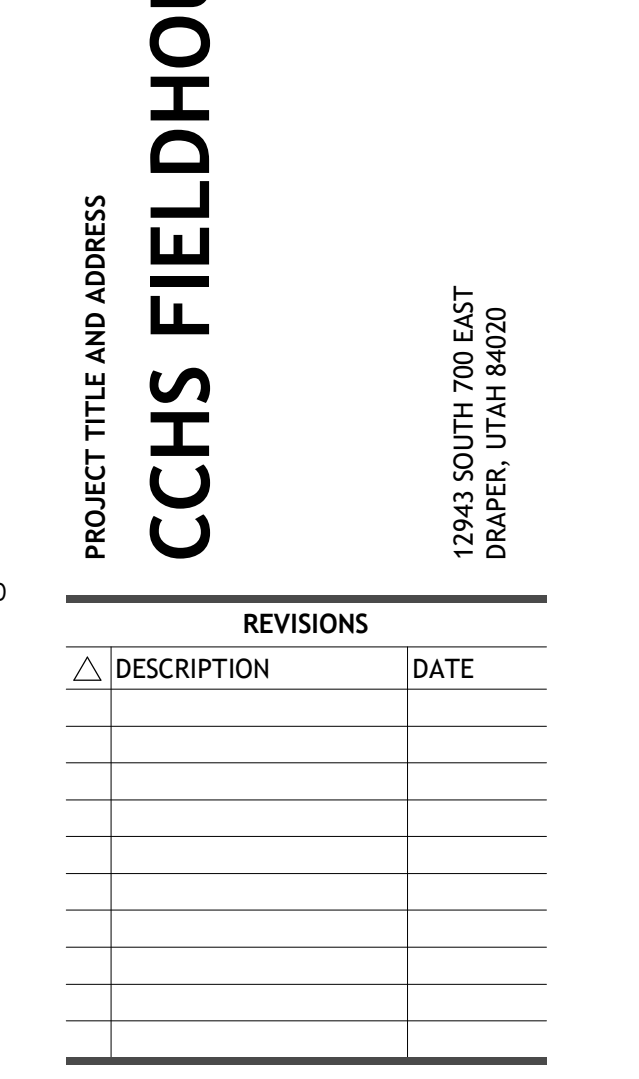
**B5 EXT DOOR OPENING DETAIL**  
3/4" = 1'-0" 3136\_03



**B6 TYPICAL SLAB JOINT DETAILS**  
NO SCALE 3677\_02



**A5 CONCRETE WALL DOWELS**  
NO SCALE 3232\_01



**A6 SLAB CONTROL JOINT CRITERIA**  
NO SCALE 3677\_01

**CORE ARCHITECTURE**  
233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
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12-2023  
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#7801713  
09/12/2024  
CONSULTANT INFORMATION  
CALDER RICHARDS  
CONSULTING ENGINEERS  
1700 WEST 1000 SOUTH, SUITE 200, SALT LAKE CITY, UT 84119  
www.calder-richards.com

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**CANYONS SCHOOL DISTRICT**

**CCHS FIELDHOUSE & SOCCER FIELD**

PROJECT TITLE AND ADDRESS  
13403 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS	
BID SET	
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR	
SHEET TITLE	

STRUCTURAL DETAILS	
SHEET NUMBER	
S501	



1

2

3

4

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6

7

A

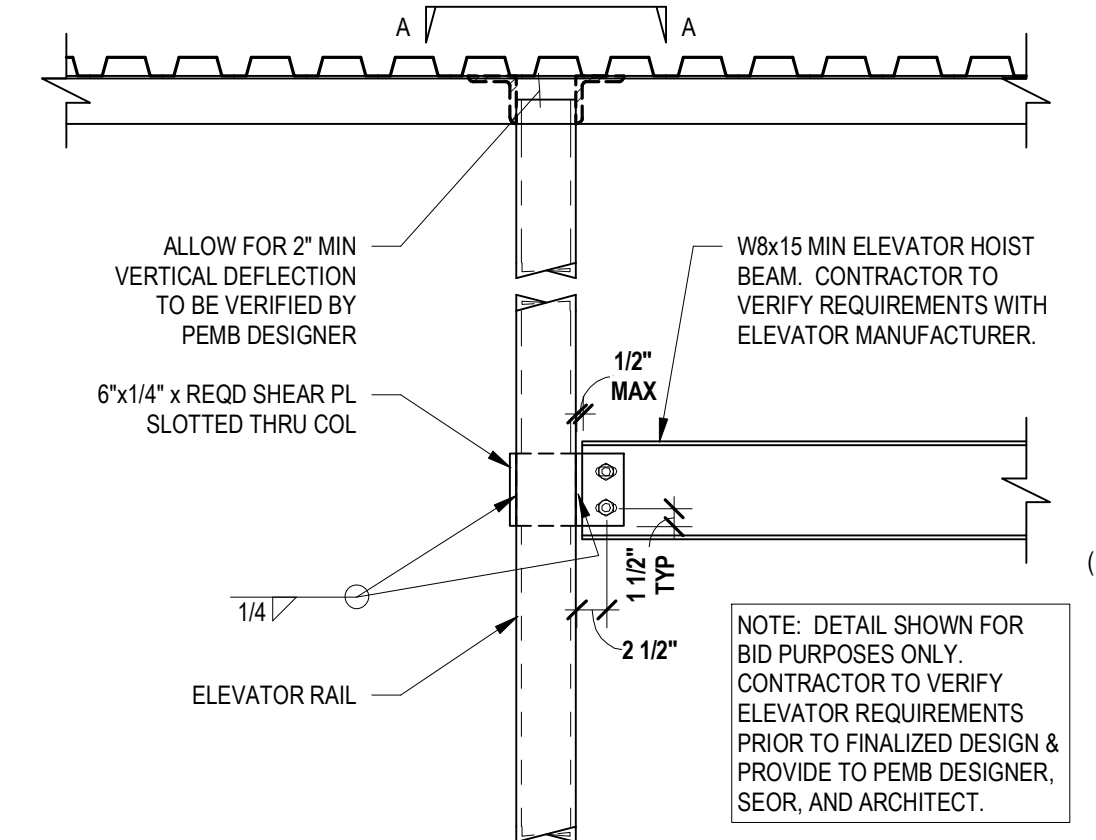
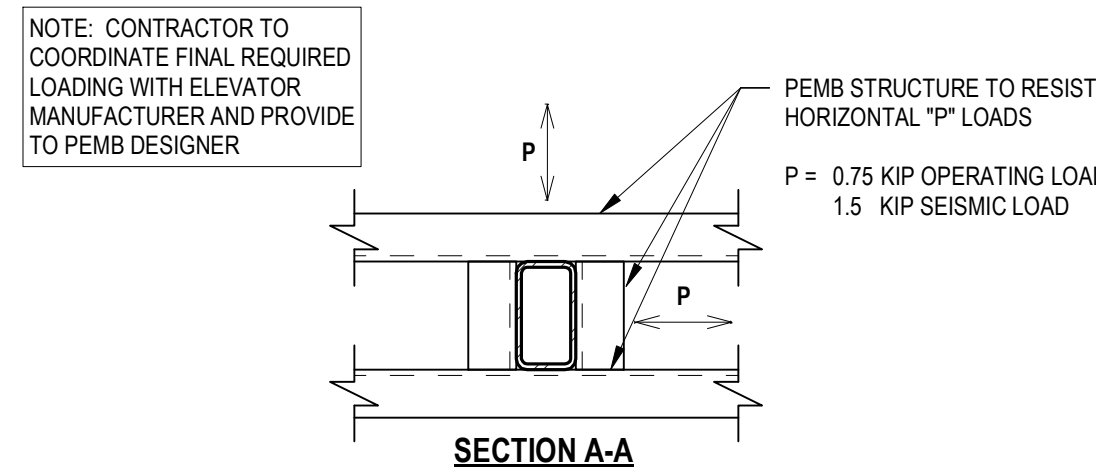
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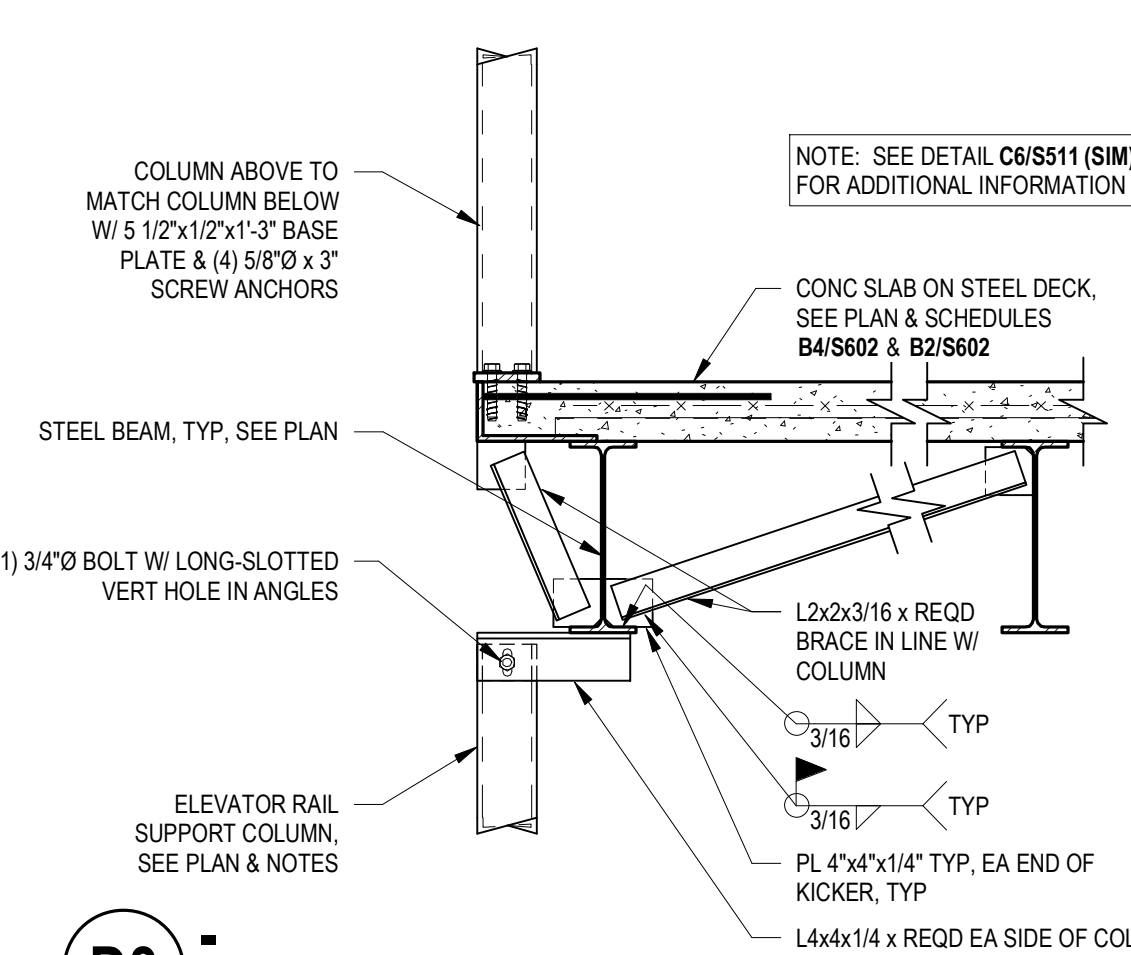
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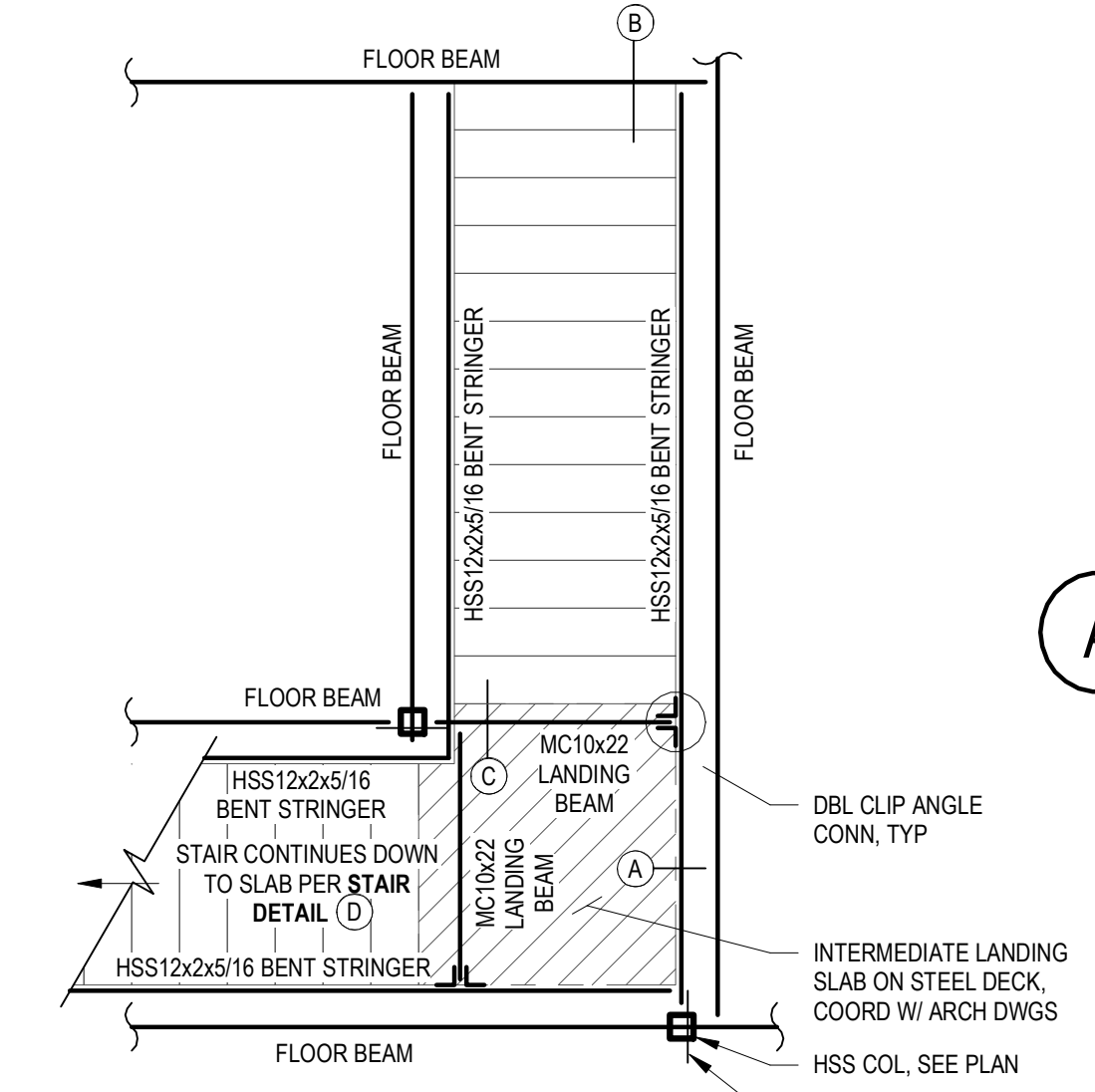
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SC4436\_N



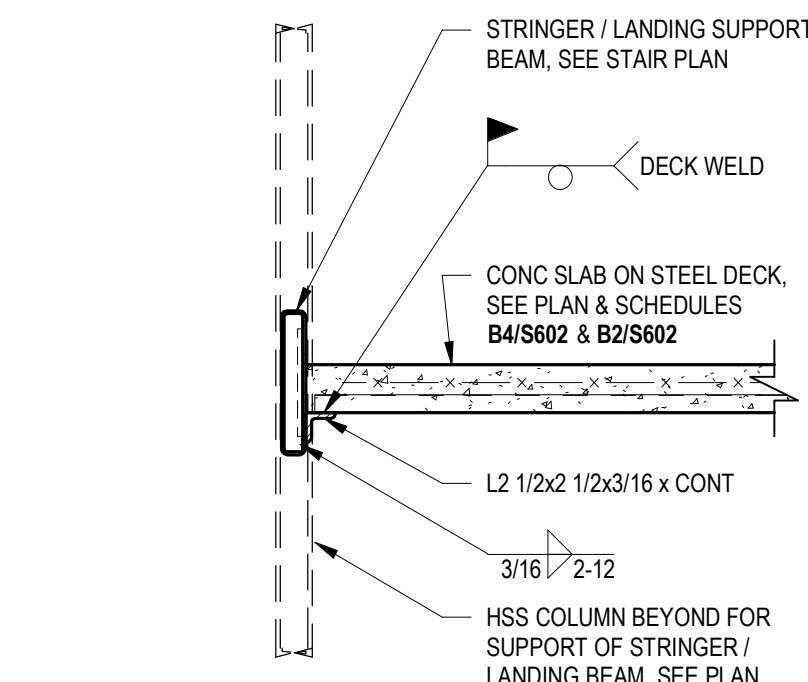
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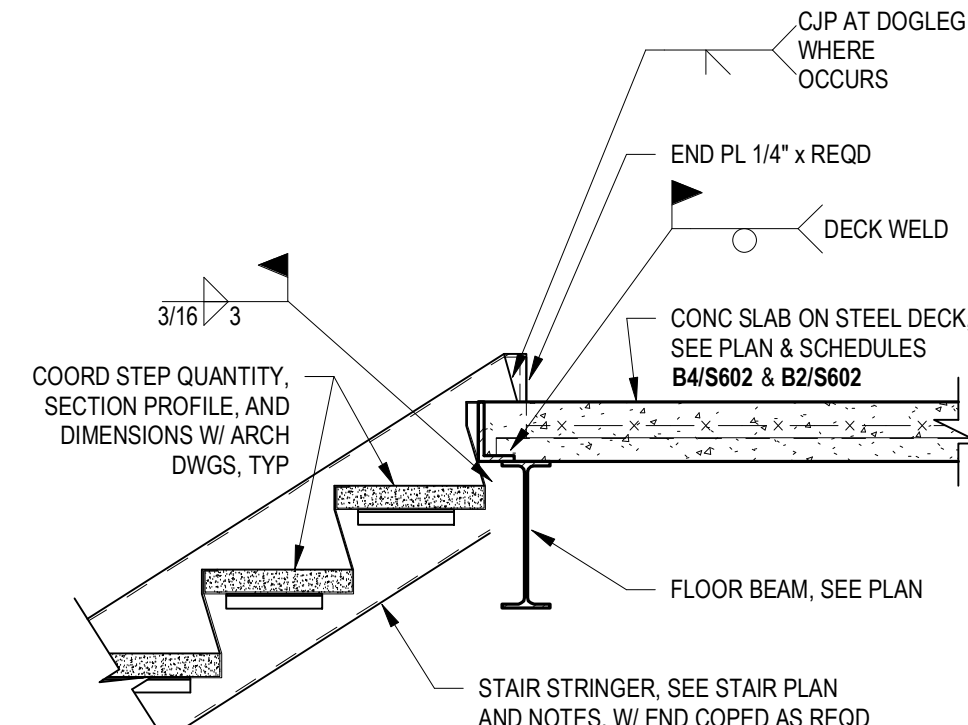


- NOTES**
1. SCHEMATIC STAIR PLAN DEPICTS TYPICAL MEMBER SIZES AND CONNECTIONS REQUIRED.
  2. SEE ARCH PLANS AND SECTIONS FOR ALL SPECIFIC STAIR DIMENSIONS, LAYOUT, UP/DOWN RUN DIRECTIONS, AND OTHER GEOMETRY.
  3. SEE STRUCTURAL FRAMING PLANS FOR FLOOR BEAM SIZES.
  4. STRINGERS SHALL BE HSS12x2x5/16, UNO.
  5. AT CONTRACTOR'S OPTIONS, SHOP DRAWINGS MAY BE PROVIDED SHOWING A DIFFERENT TYPE OF STAIR LAYOUT FOR REVIEW.

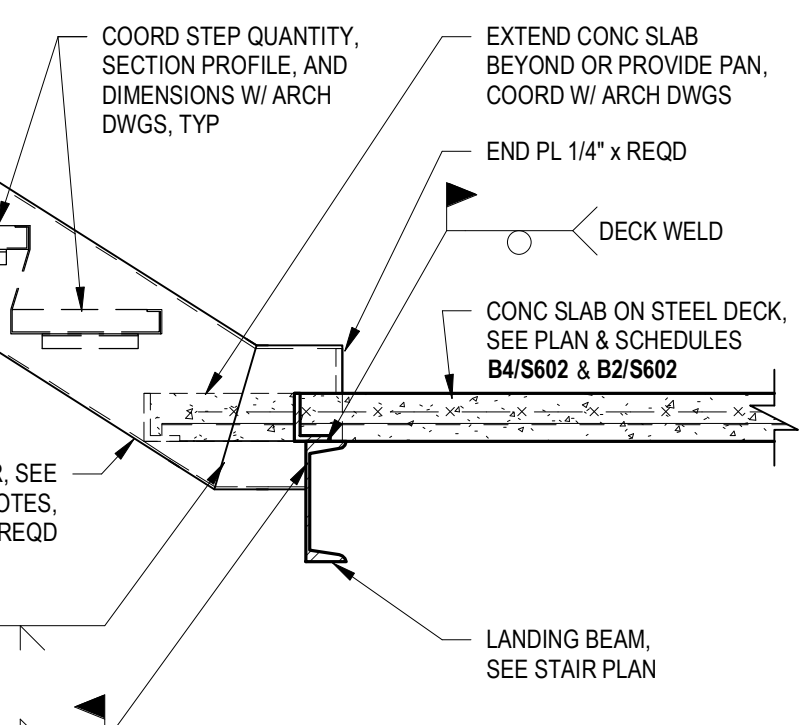
**D4** SCHEMATIC STAIR FRAMING AND DETAILS  
NO SCALE



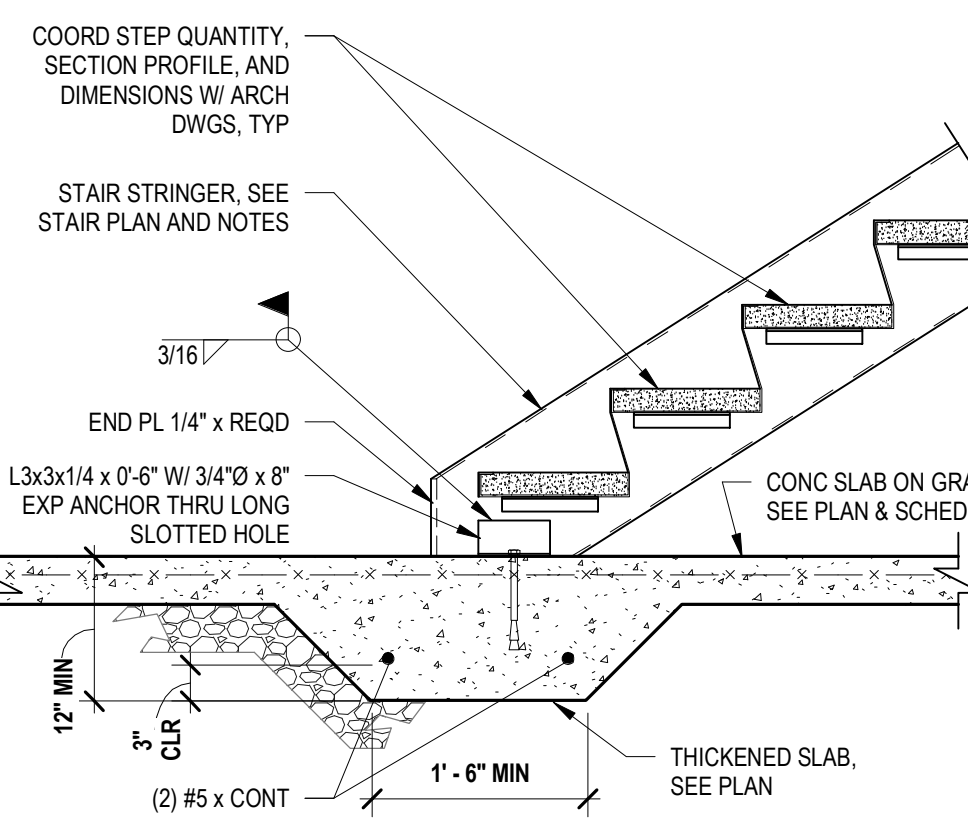
**A** LANDING SUPPORT DETAIL



**B** STAIR DETAIL

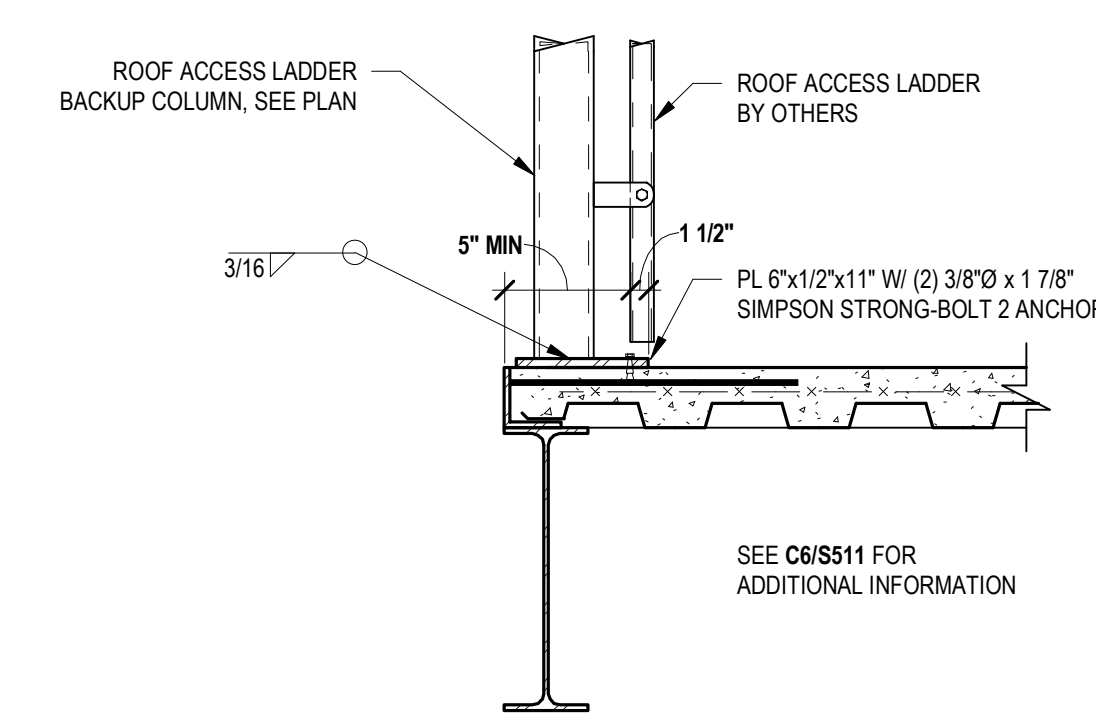


**C** STAIR DETAIL

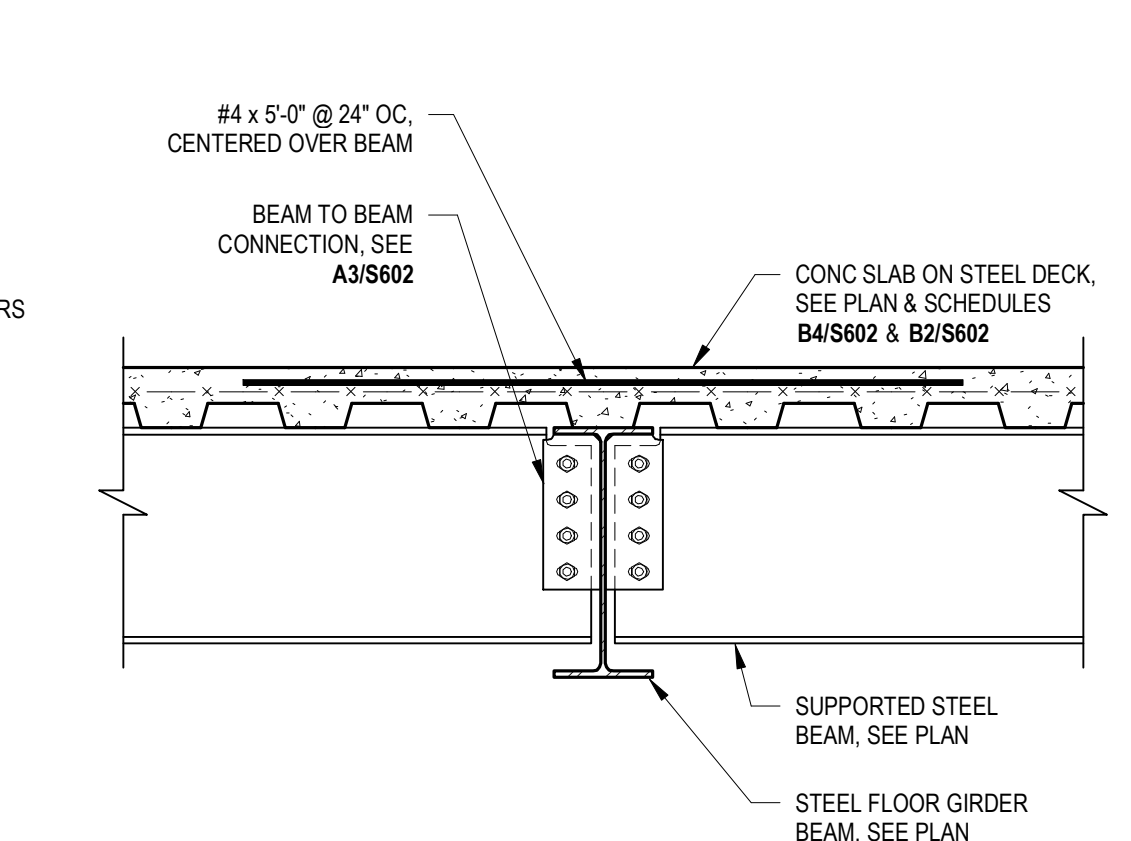


**D** STAIR DETAIL

4444\_02

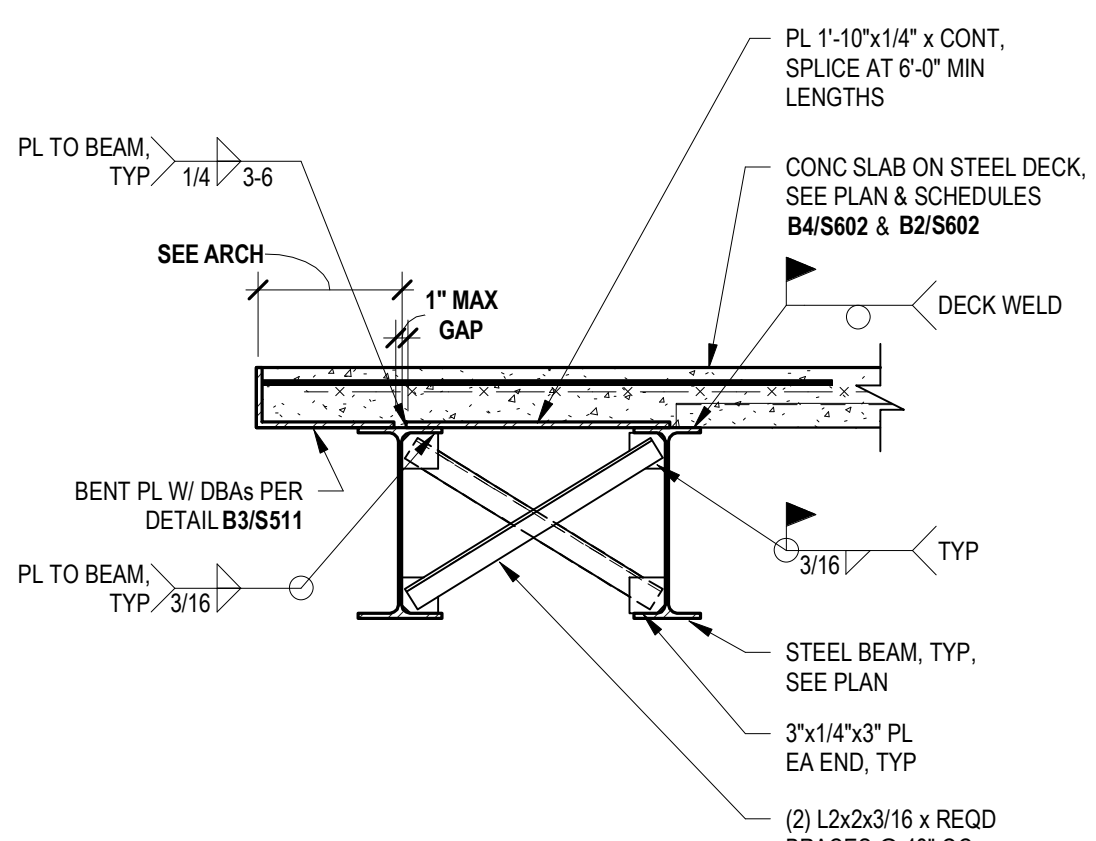


**C2** 3/4" = 1'-0"



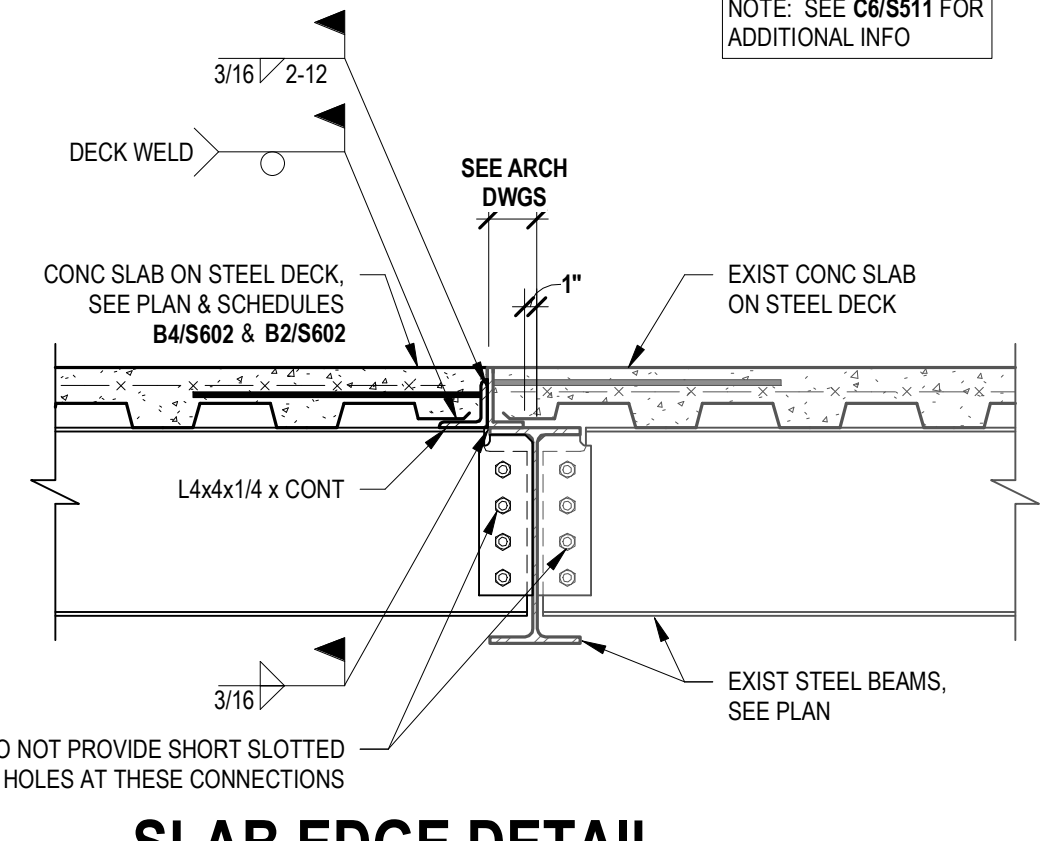
**C3** 3/4" = 1'-0"

SC4436\_S



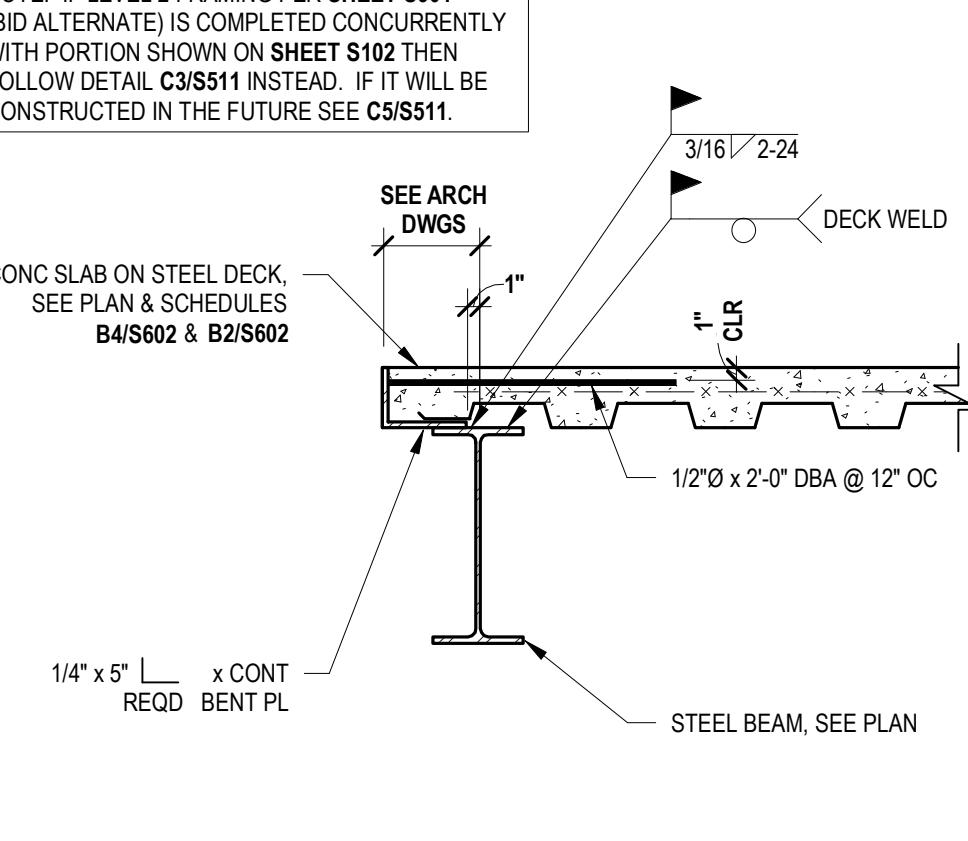
**C4** 3/4" = 1'-0"

SC4436\_T



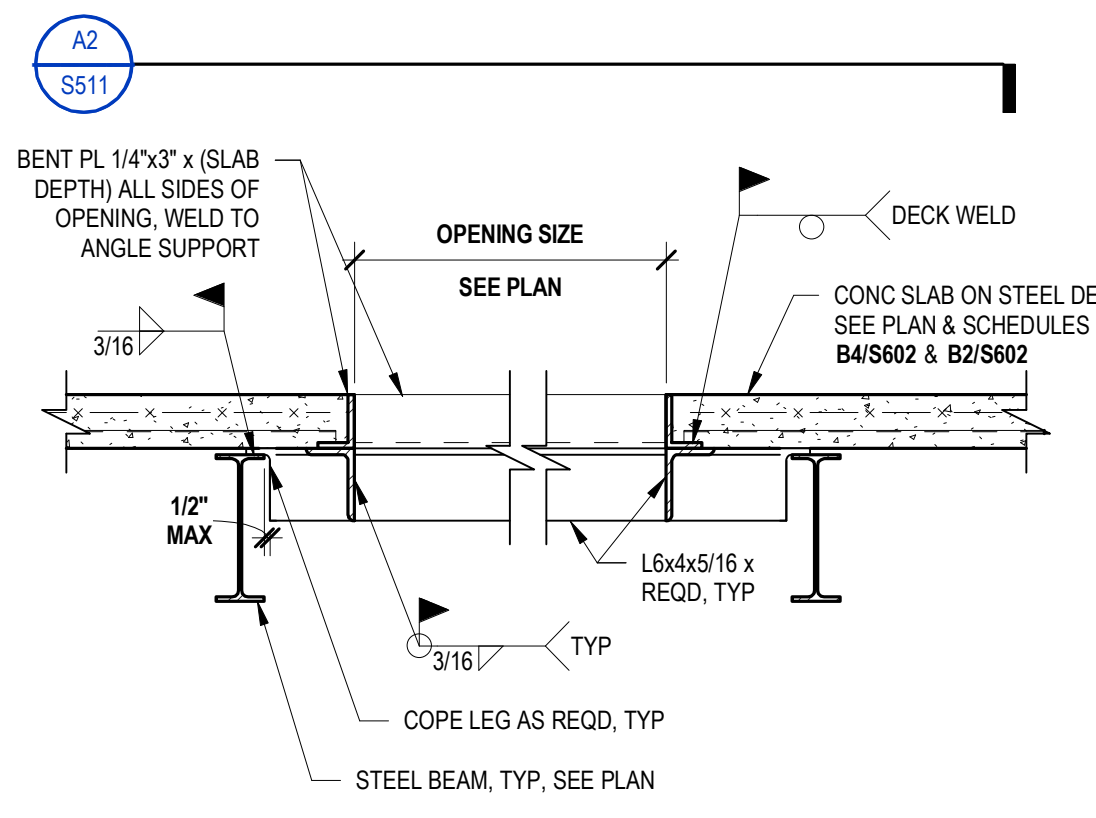
**C5** SLAB EDGE DETAIL (FUTURE FRAMING COND)  
3/4" = 1'-0"

SC4436\_G



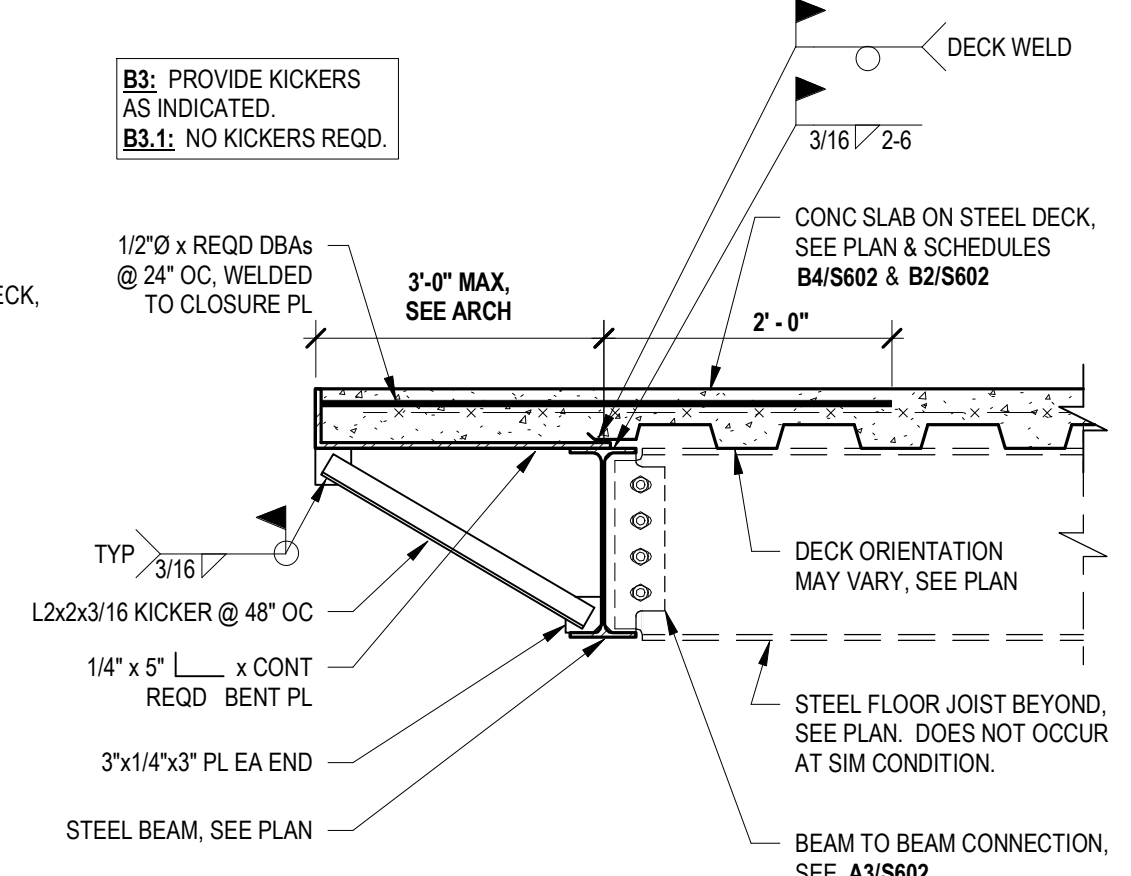
**C6** SLAB EDGE DETAIL  
3/4" = 1'-0"

SC4436\_R



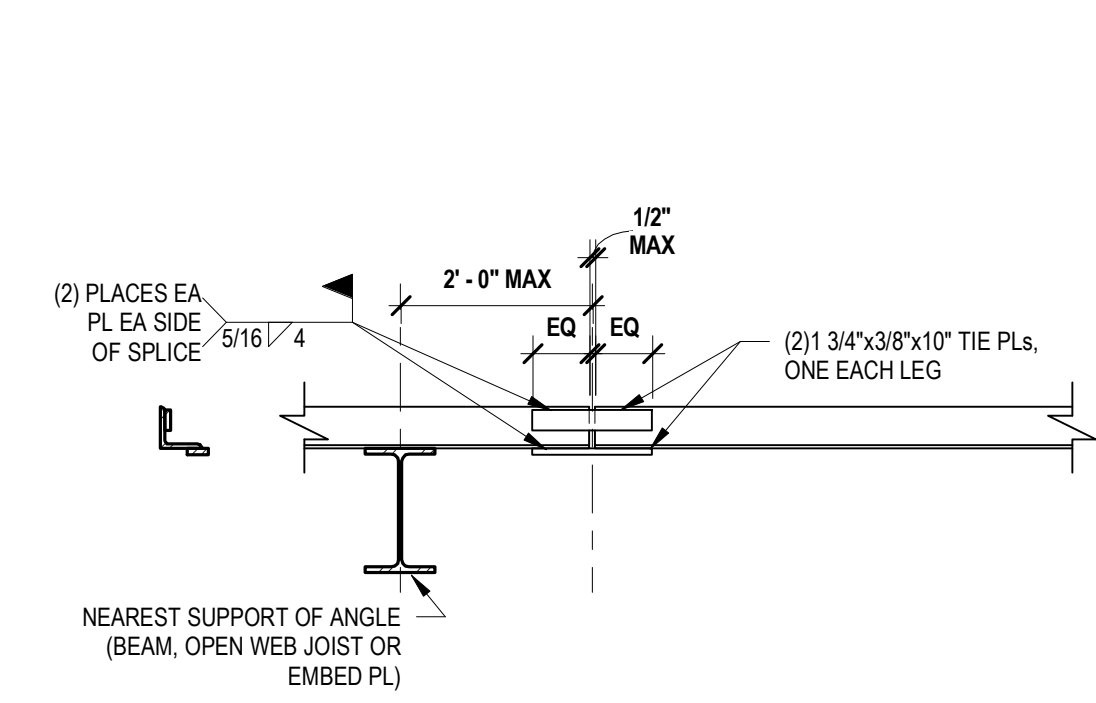
**B2** NO SCALE

4546\_01



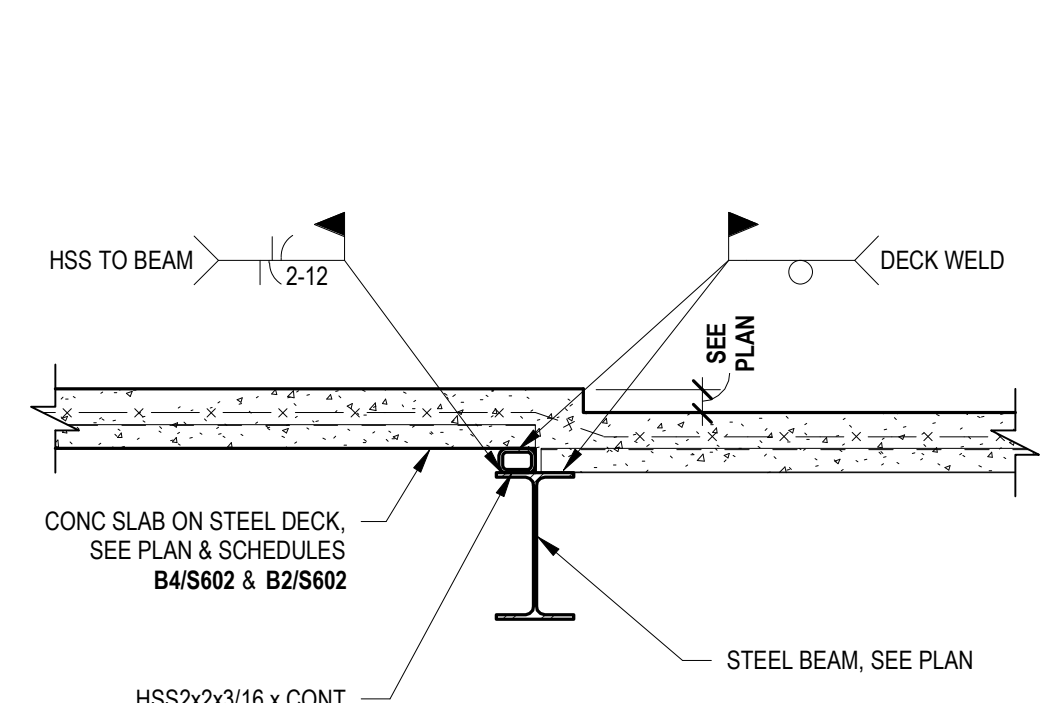
**B3** 3/4" = 1'-0"

SC4436\_T



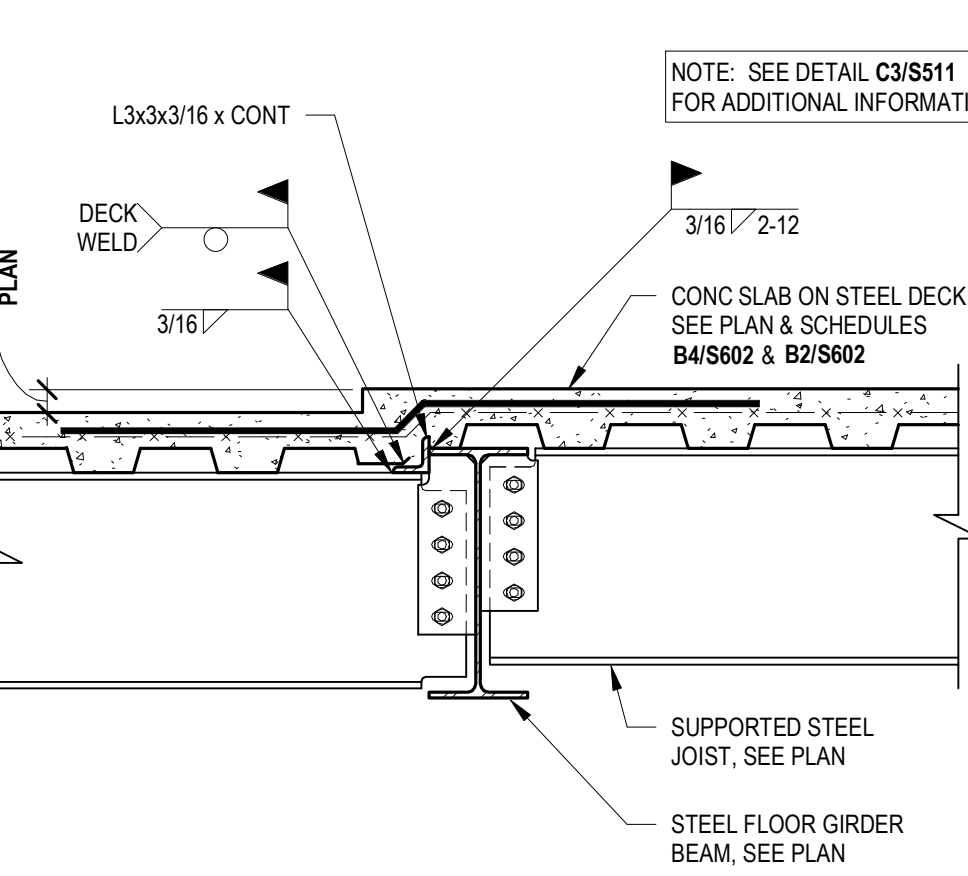
**B4** LEDGER ANGLE SPLICE  
NO SCALE

4646\_01



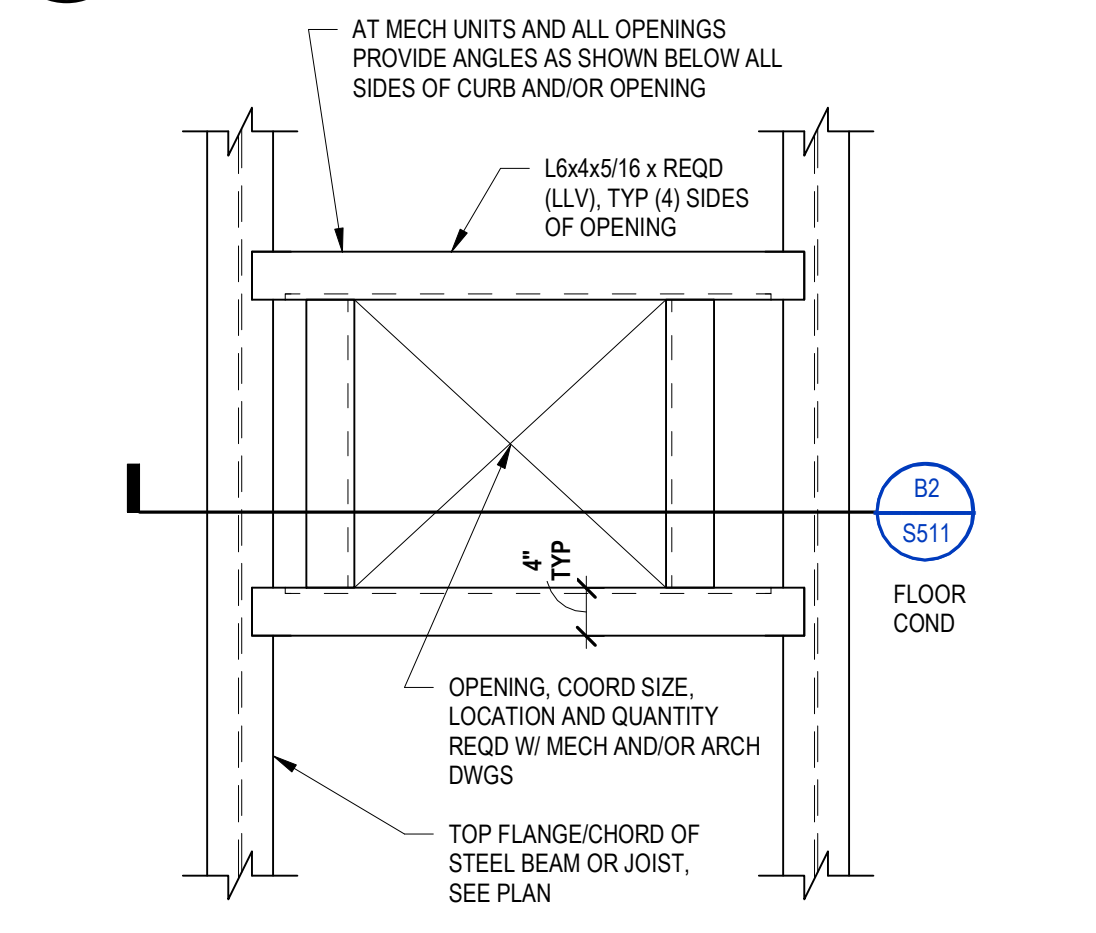
**B5** 3/4" = 1'-0"

SC4436\_D



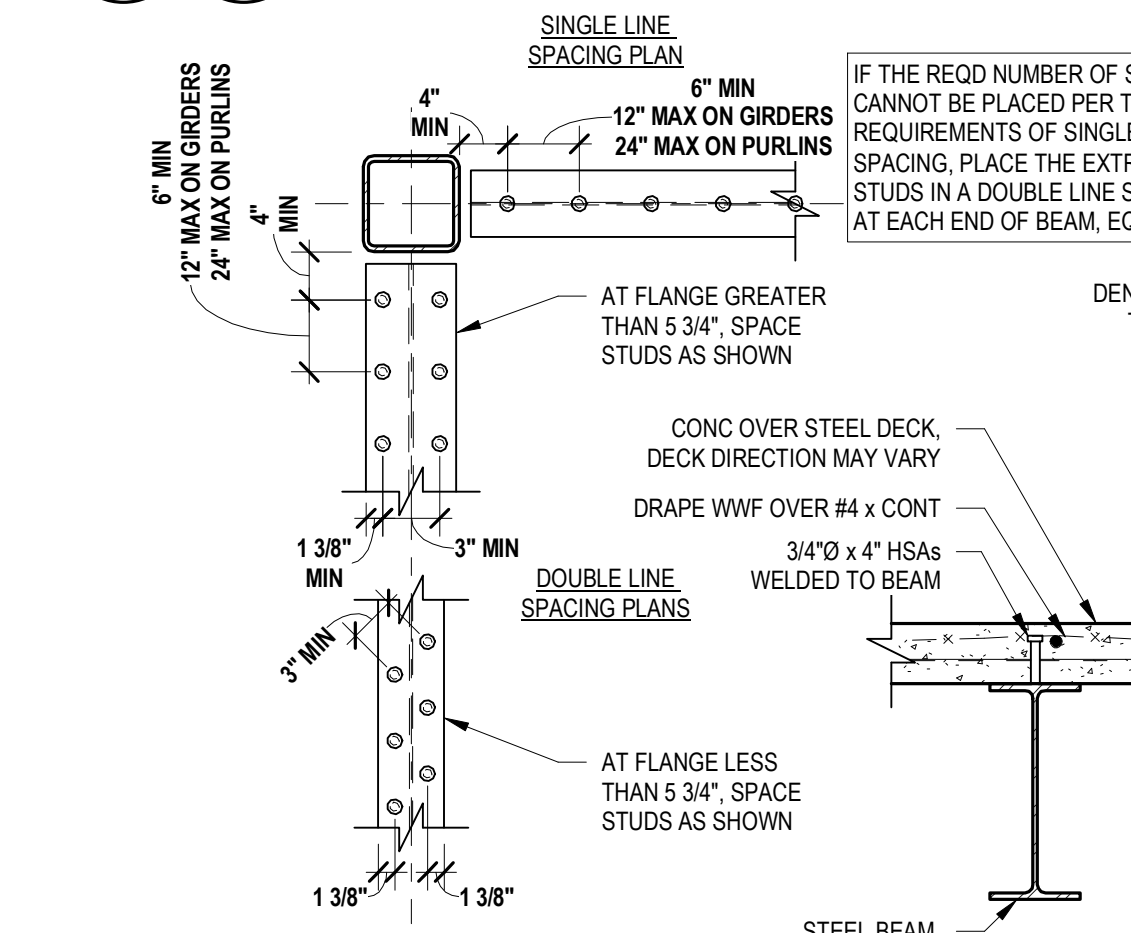
**B6** 3/4" = 1'-0"

SC4436\_R



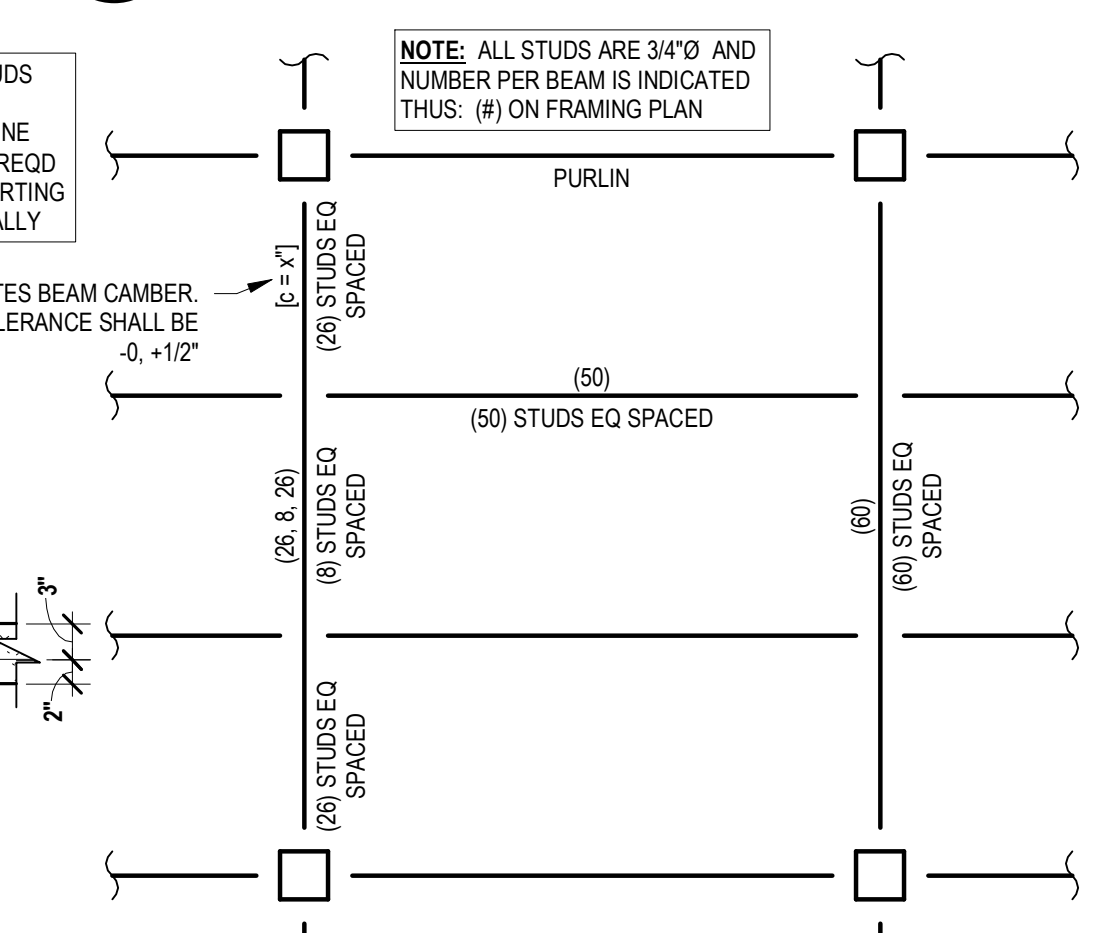
**A2** NO SCALE

4546\_03

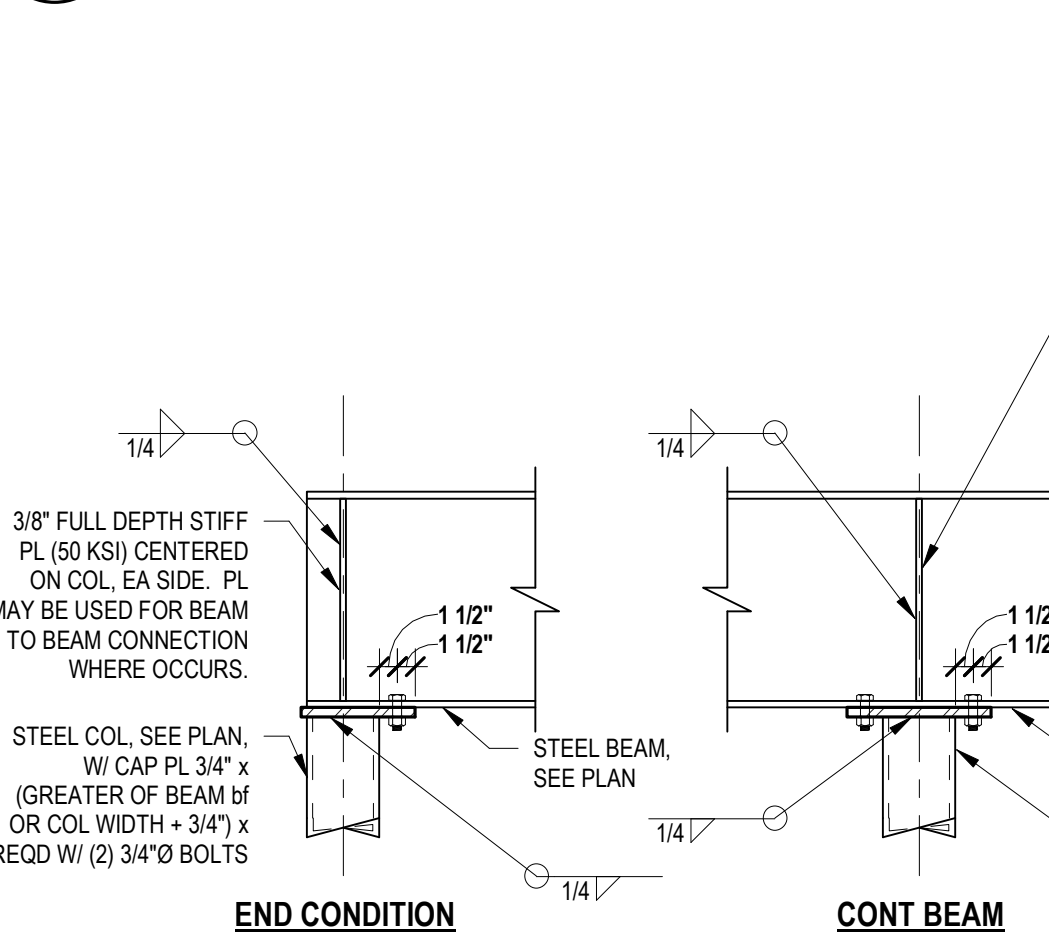


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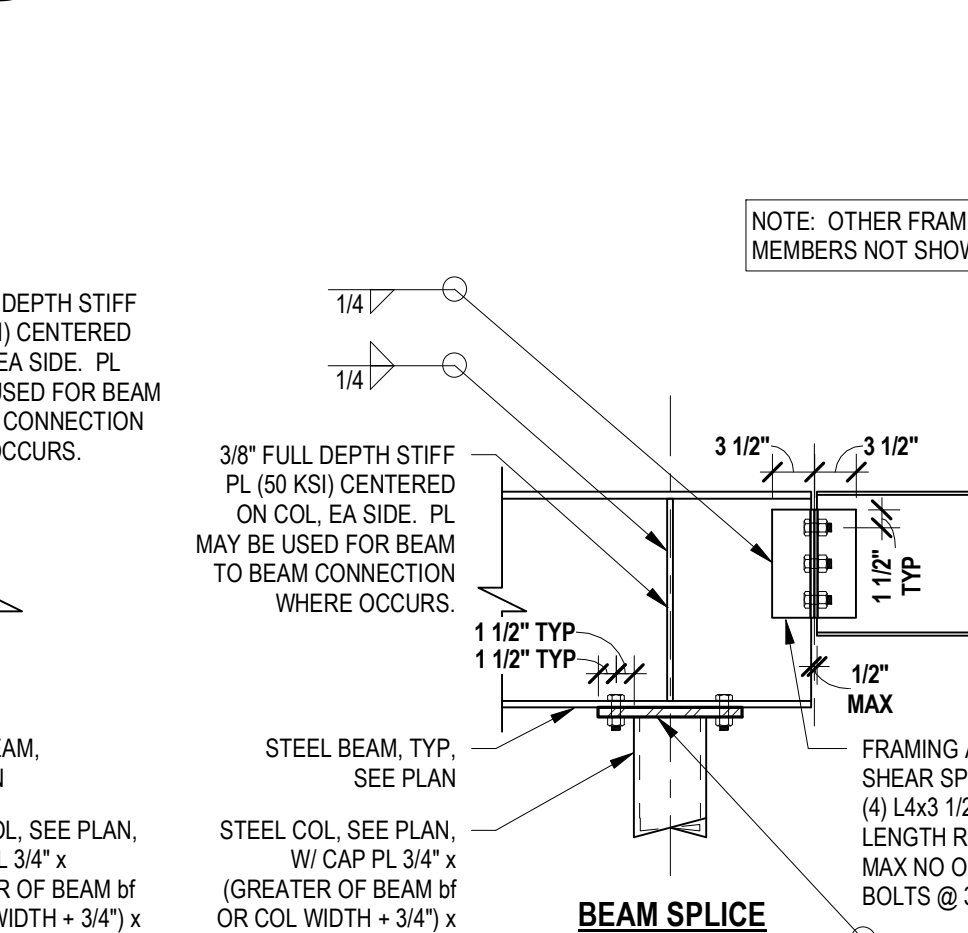
4646\_01 COMPB61



**A5** NO SCALE



**A5** NO SCALE



**A5** NO SCALE

4344\_05

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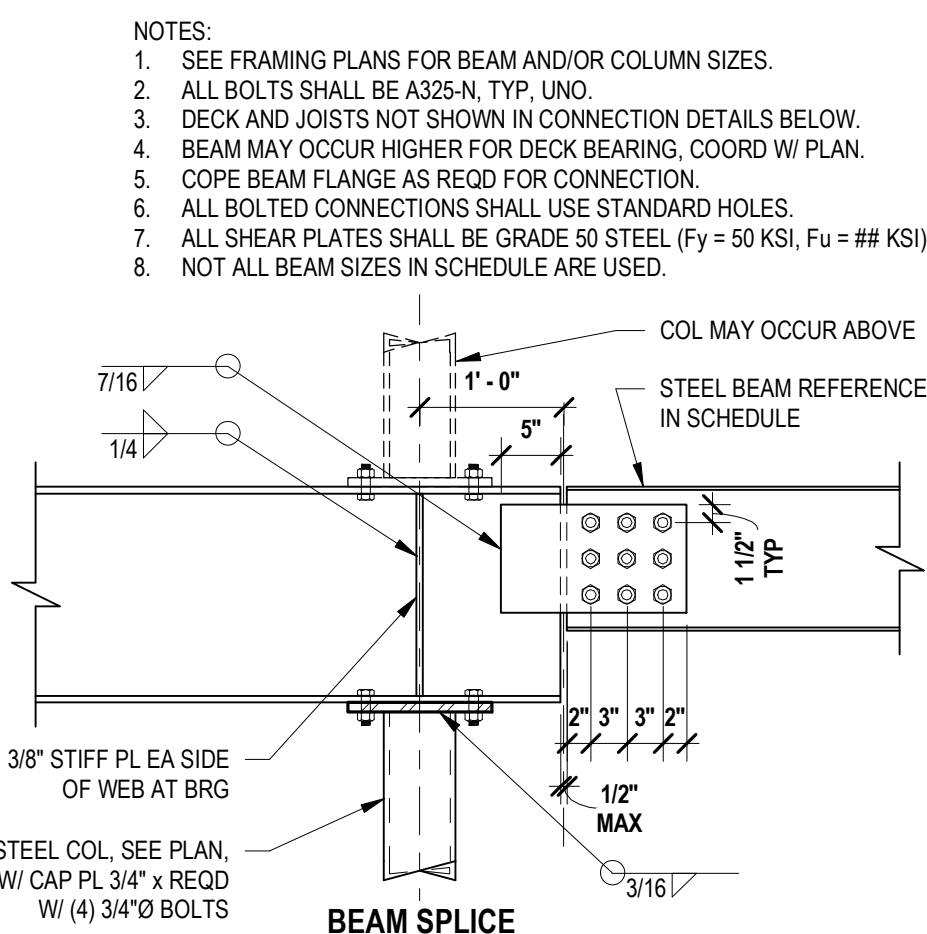
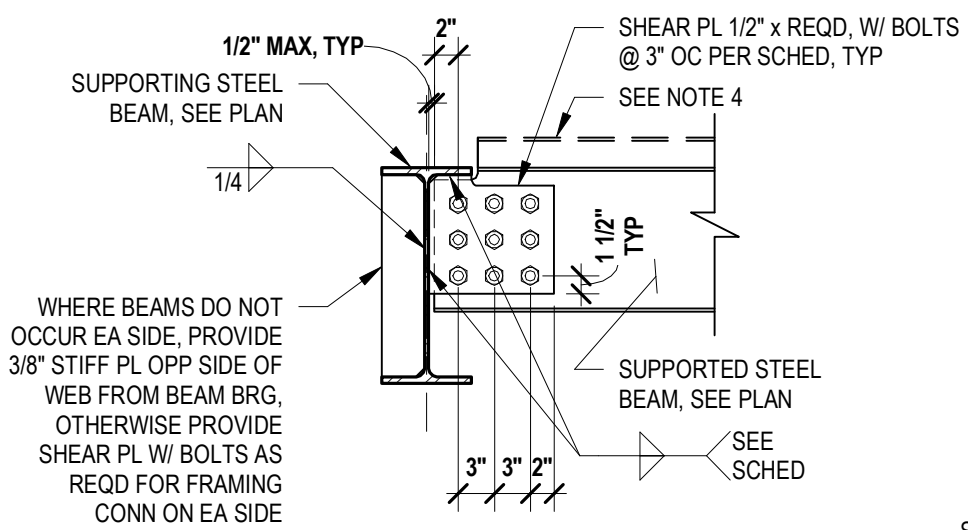
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STRUCTURAL  
DETAILS AND  
SCHEDULES

SCHEDULE - BOLTED COLLECTOR CONNECTIONS			
Beam Size	Shear Bolts	Col x Row Bolt Layout	Weld Size
W16, W18	(12) 7/8"Ø	3x4	3/8"
W24	(15) 7/8"Ø	3x5	3/8"
W33	(18) 7/8"Ø	3x6	3/8"



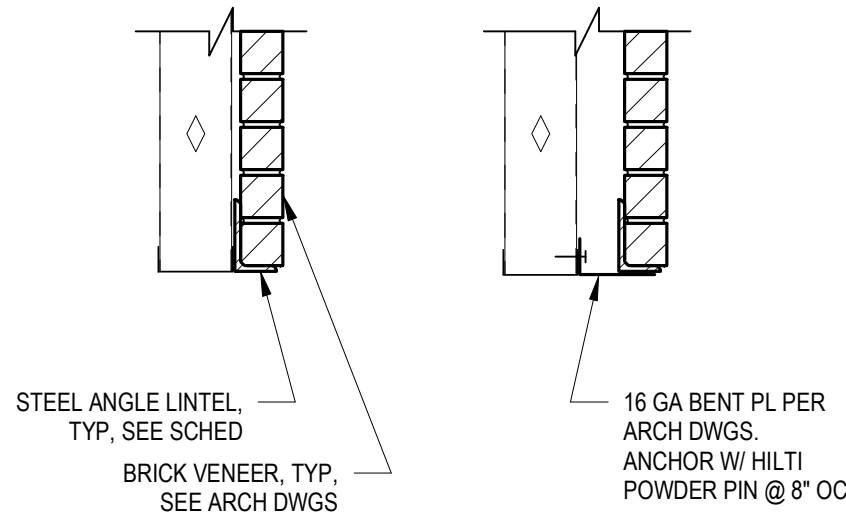
**E3** COLLECTOR CONNECTIONS

NO SCALE

4744\_03A

SCHEDULE - BRICK VENEER LOOSE STEEL ANGLE LINTEL	
Rough Opening (RO) Width	Steel Angle Lintel Size
RO WIDTH <= 4'-0"	L3 1/2x3 1/2x1/4
4'-0" < RO WIDTH <= 6'-0"	L4x4x1/4
6'-0" < RO WIDTH <= 8'-0"	L6x4x5/16 (LLV)
8'-0" < RO WIDTH <= 10'-0"	L6x4x3/8 (LLV)
10'-0" < RO WIDTH	CONTACT STRUCTURAL ENGINEER

- NOTES:
1. PROVIDE 6" MINIMUM BEARING AT EACH END.



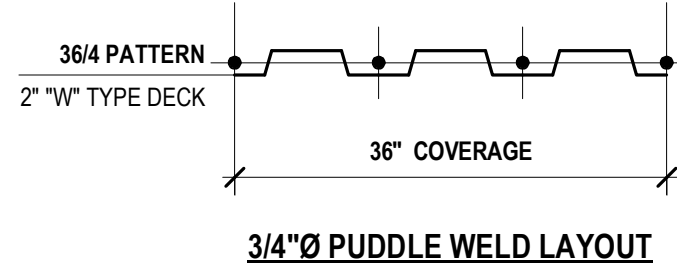
**D5** STEEL ANGLE LINTEL SCHEDULE

NO SCALE

4757\_01 - VENEER LINTEL ANGLE SCHEDULE

STEEL DECK SCHEDULE									
MARK	PROFILE	DEPTH	SUPPORTS		SIDE LAP		MIN ALLOWABLE DIAPHRAGM SHEAR CAPACITY (ASD)	NOTES	
			MIN I (in^4/ft)	MIN S (in^4/3ft)	PERPENDICULAR	PARALLEL			
D1	20 GA "W2"	2"	0.422	0.323	3/4"Ø PW @ 36/4	3/4"Ø PW @ 12" OC	2400 PLF @ 7'-0" SPAN	TYP STAIR LANDING DECK, SEE DETAIL D4/S511	
DL	20 GA "W2"	2"	0.422	0.323	3/4"Ø PW @ 36/4	3/4"Ø PW @ 12" OC	2400 PLF @ 7'-0" SPAN		

- NOTES:
1. SUPPORTS SHALL BE ANY STRUCTURAL STEEL ELEMENT IN CONTACT WITH STEEL DECK.
  2. PW = PUDDLE WELD - 1/2" EFFECTIVE DIAMETER MINIMUM ARC SPOT WELD AT INTERIOR FLUTES. 1" x 3/8" EFFECTIVE ARC SEAM WELD AT SUPPORTS ADJACENT TO SIDELAP.
  3. TSW = TOP SEAM WELD - 1/2" LONG TOP SEAM WELDS BETWEEN ADJACENT PIECES OF DECKING. CRIMP SIDE SEAMS BEFORE WELDING INTERLOCKING SEAMS.
  4. BP = BUTTON PUNCH - 3/16" BUTTON PUNCH BETWEEN ADJACENT PIECES OF DECK. CRIMP SEAMS BEFORE BUTTON PUNCHING INTERLOCKING SEAMS.
  5. PAF = POWDER ACTUATED FASTENER.  
HILT1 X-HSN 24 AT SUPPORTS  
HILT1 X-GEN 19 L15 AT SUPPORTS  
PNEUTEK SDK61075 AT SUPPORTS  
PNEUTEK SDK63075 AT SUPPORTS  
PNEUTEK K64062 AT SUPPORTS  
PNEUTEK K65062 OR K66075 AT SUPPORTS  
0.155" THROUGH 0.250" THICK  
0.187" THROUGH 0.312" THICK  
0.281" THICK AND GREATER
  6. SDS = SELF-DRILLING SCREW. WHERE SIDELAPS HAVE SCREWED CONNECTION, THE DECK PROVIDED SHALL HAVE A SCREWABLE SIDE SEAM. UNO.
  7. PSC = PROPRIETARY SIDELAP CONNECTION - VERO SIDELAP CONNECTION 2 FOR VERO PUNCHLOCK II SYSTEM, ASS. DELTA GRIP FOR ASD DECKS.
  8. SPACING AT SUPPORTS IS NOTED AS (DECK PANEL WIDTH)(ATTACHMENTS PER PANEL). FOR EXAMPLE: PW @ 36/4 INDICATES A 36" WIDE DECK SHEET WITH 4 PUDDLE WELDS AT EACH SUPPORT.
  9. HEADED STUD ANCHORS WELDED THROUGH DECK WITH 1" MINIMUM COVER FROM EDGE OF DECK TO STUD CENTERLINE MAY BE SUBSTITUTED ONE FOR ONE FOR PW.
  10. SEE PLANS FOR ADDITIONAL FASTENERS REQUIRED AT MEMBERS DENOTED AS SFRS. OMIT ATTACHMENTS WHERE DENOTED AS PROTECTED ZONES IN SFRS.
  11. ALL WELDED SURFACES SHALL BE DRY BEFORE WELDING DECK OR STUDS TO SUPPORTS.
  12. ALIGN AND SECURE REIN IN POSITION BEFORE WELDING OR INSTALLING FASTENERS OR STUDS.
  13. ALTERNATE MEANS OF DECK ATTACHMENT ARE PERMITTED WITH APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE PROPOSED ATTACHMENT SYSTEM AND THE CODE EVALUATION REPORT DEMONSTRATING THE SYSTEM HAS THE STRENGTH TO MEET THE SPECIFIED DECK SHEAR. IF THE ALTERNATE METHOD IS APPROVED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE DECK TYPE AND PROFILE IS COMPATIBLE WITH THE FASTENING SYSTEM.
  14. STEEL DECK SHALL COMPLY WITH LATEST REQUIREMENTS OF THE STEEL DECK INSTITUTE (SDI).
  15. SUBMIT CURRENT CODE EVALUATION REPORT (ICC OR IAPMO) WITH LOAD AND LATERAL SHEAR CAPACITIES WITH SHOP DRAWINGS.
  16. ALL DECK SHALL BE 3-SPAN CONTINUOUS MINIMUM WHERE POSSIBLE. IN AREAS WHERE 3-SPAN CONDITIONS ARE NOT POSSIBLE THE CONTRACTOR SHALL VERIFY UN-SHORED DECK IS PERMITTED BY THE DECK MANUFACTURER FOR THE SPAN CONDITION, SPAN LENGTH, AND DECK GAUGE. WHERE DECK DOES NOT MEET THE REQUIREMENTS FOR UN-SHORED DECK, THE CONTRACTOR SHALL EITHER PROVIDE HEAVIER GAUGE DECK TO ALLOW FOR UN-SHORED DECK OR PROVIDE SHORING.
  17. STEEL DECK WITHOUT CONCRETE FILL SHALL NOT BE USED TO SUPPORT LOADS FROM PLUMBING, HVAC DUCTS, LIGHT FIXTURES, ARCHITECTURAL ELEMENTS OR EQUIPMENT OF ANY KIND, UNLESS SPECIFICALLY NOTED OTHERWISE. LIGHTWEIGHT SUSPENDED ACOUSTICAL CEILING WITH A TOTAL WEIGHT PER WIRE NOT EXCEEDING 50# MAY BE HUNG FROM THE STEEL ROOF DECK. THE HANGERS SHOULD BE STAGGERED TO DISTRIBUTE THE LOAD OVER MULTIPLE DECK FLUTES.
  18. DECK SHALL HAVE 2" MINIMUM BEARING ON ALL SUPPORTING MEMBERS. MEMBERS PERPENDICULAR TO DECK, UNO. DECKS SHALL HAVE 1 1/2" MINIMUM BEARING AT PARALLEL MEMBERS.
  19. SEE TYPICAL DETAILS FOR SUPPORT STEEL, REQUIRED AT OPENINGS THROUGH STEEL DECK. OPENING SUPPORT STEEL SHALL BE INSTALLED PRIOR TO SAW CUTTING OPENINGS.
  20. ROOF DECKS TO BE GALVANIZED. FLOOR DECKS TO BE PHOSPHATIZED / PAINTED, EXCEPT ABOVE AND BELOW RESTROOMS, LOCKER ROOMS, AND MECHANICAL ROOMS. PROVIDE GALVANIZED DECK.



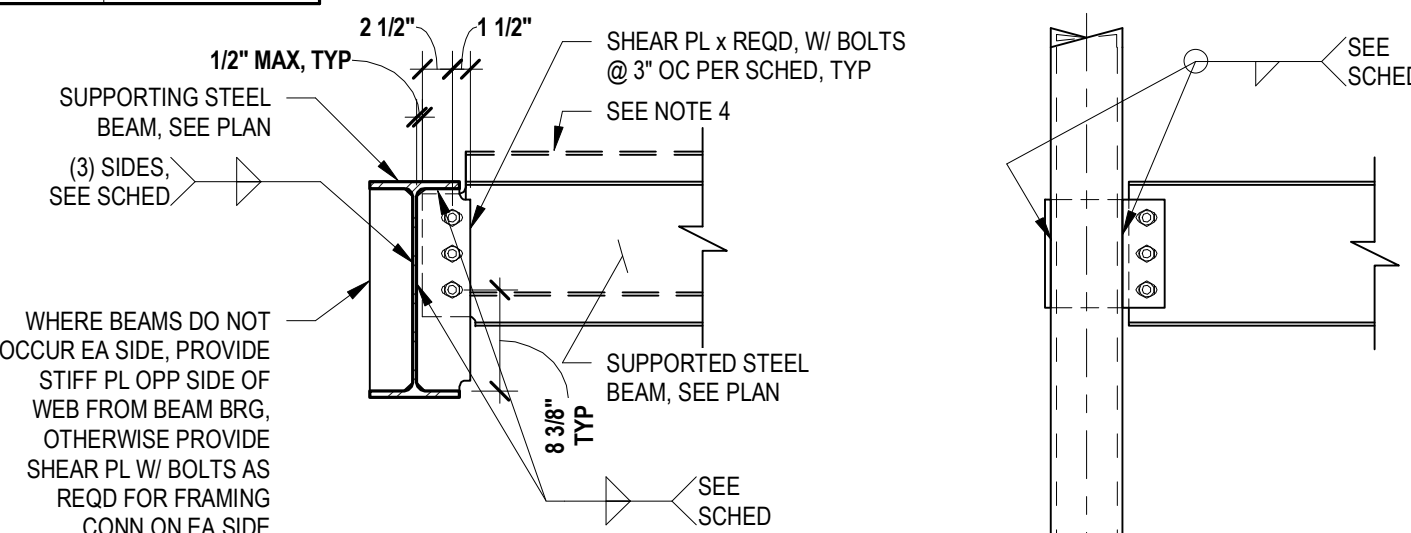
**B2** STEEL DECK SCHEDULE

NO SCALE

4677\_03

SCHEDULE - BOLTED CONNECTION				
Beam Size	Shear Bolts	Shear Plate	Web Stiffener	Weld Size
W12	(3) 3/4"Ø	3/8"	3/8"	1/4"
W16	(4) 3/4"Ø	3/8"	3/8"	1/4"
W18	(5) 3/4"Ø	3/8"	3/8"	1/4"
W24	(6) 3/4"Ø	3/8"	3/8"	1/4"
W33	(9) 3/4"Ø	3/8"	3/8"	1/4"

- NOTES:
1. SEE FRAMING PLANS FOR BEAM AND/OR COLUMN SIZES.
  2. ALL BOLTS SHALL BE A325-N, TYP. UNO.
  3. DECK AND JOIST NOT SHOWN IN CONNECTION DETAILS BELOW.
  4. BEAM MAY OCCUR HIGHER FOR DECK BEARING, COORD W/ PLAN.
  5. COPE BEAM FLANGE AS REQD FOR CONNECTION.
  6. PROVIDE HORIZ SS#6 IN SHEAR PL FOR BOLTED CONNECTION.
  7. DIMENSIONS SHOWN ON BEAM TO BEAM ARE TO BE CONSIDERED TYPICAL FOR ALL CONDITIONS SHOWN.



**A3** TYPICAL BOLTED CONNECTIONS

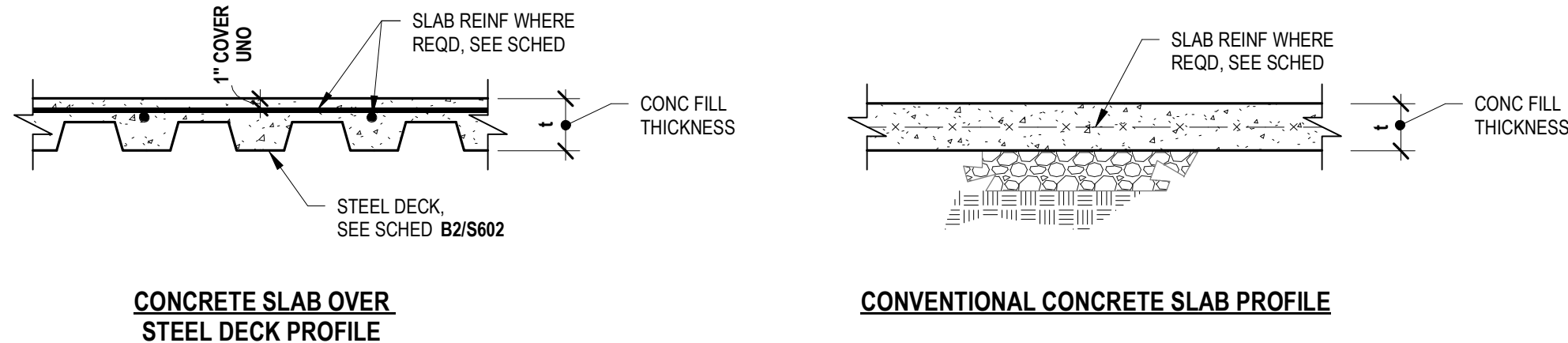
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4744\_03

**B4** CONCRETE SLAB SCHEDULE

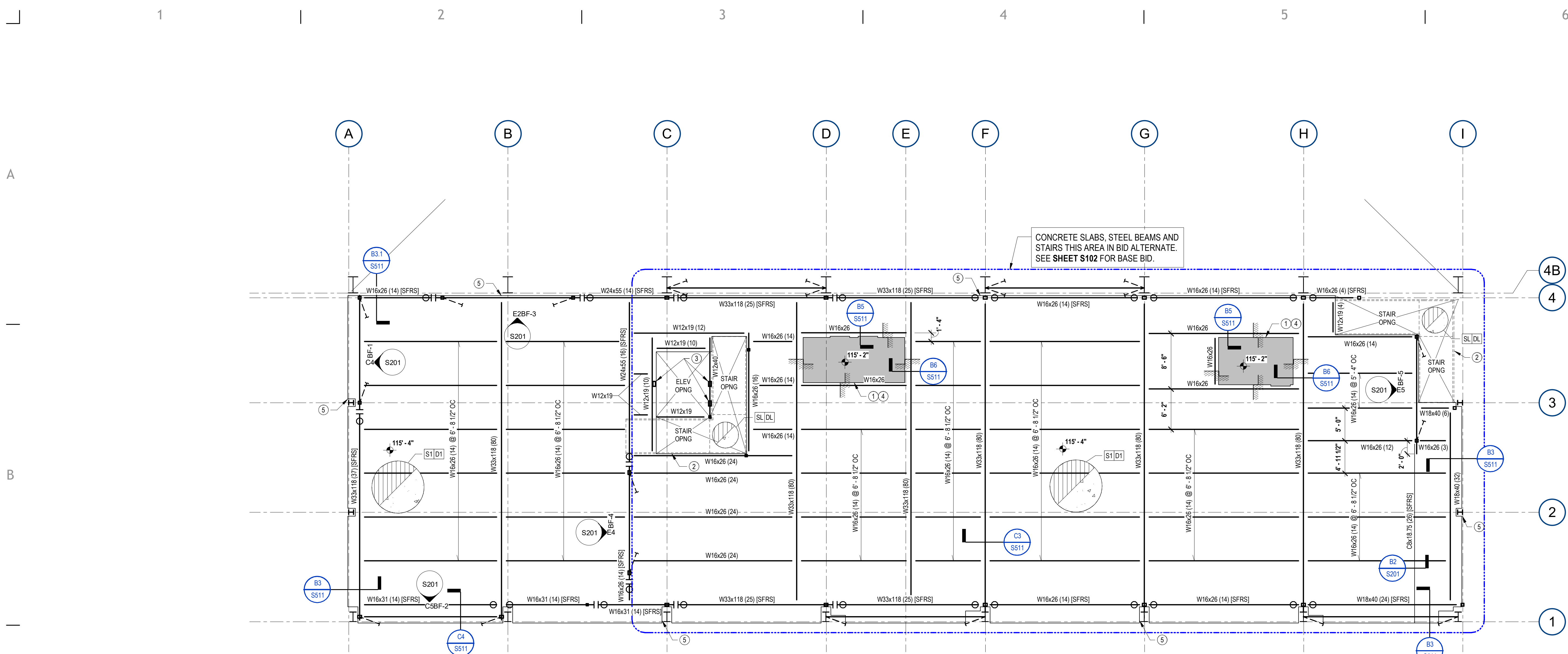
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3677\_06

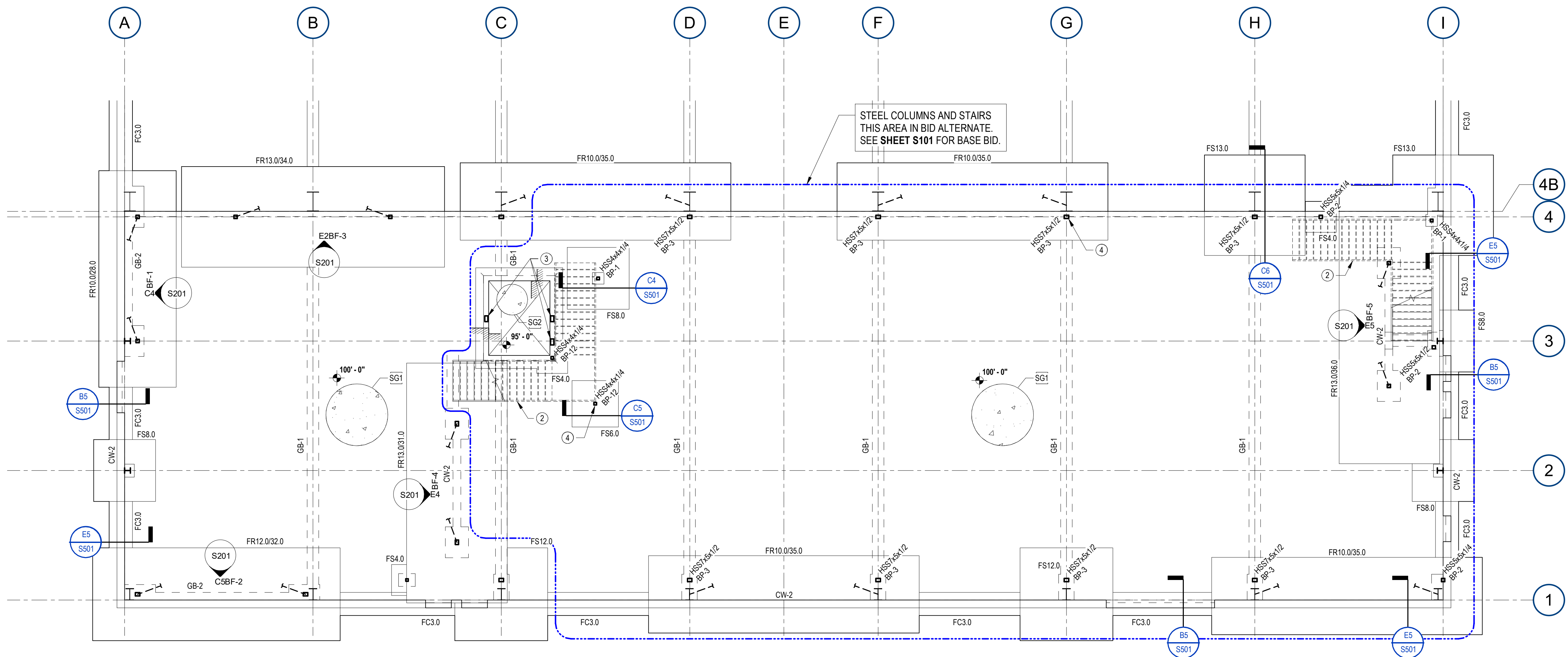




Autodesk Docs: /24/013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field - S31.rvt  
9/12/2024 3:21:18 PM



Level 2 Framing Plan - Bid Alternate  
1/8" = 1'-0"



Footings & Foundation Plan - Bid Alternate  
1/8" = 1'-0"

#### PLAN NOTES - FLOOR FRAMING

- # NUMBERED NOTES BELOW ARE KEYED ON PLAN.
- DN# DENOTES DECK TYPES KEYED ON PLAN, SEE SCHEDULE B2/S602.
- SN# DENOTES SLAB TYPES KEYED ON PLAN, SEE SCHEDULE B4/S602.
- \* SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
- \*\* NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.
- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.
- B TOP OF CONCRETE SLAB ELEVATION = 115'-4".
- C SEE DETAIL A3/S602 FOR TYPICAL BEAM TO BEAM CONNECTIONS.
- D COORDINATE OPENINGS THROUGH FLOOR DECK WITH MECHANICAL DRAWINGS. FLOOR PENETRATIONS SHALL HAVE ANGLE FRAMING PER DETAIL A2/S511.
- E ALL CONTINUOUS DECK ANGLES TO BE SPLICED PER DETAIL B4/S511.
- F SEE ARCHITECTURAL DRAWINGS FOR TOP OF CMU WALL ELEVATIONS.
- G SEE DETAIL B3/S501 FOR CONTROL JOINTS IN MASONRY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- H SEE STEEL ANGLE LUNTEL SCHEDULE D5/S602 FOR BRICK VENEER SUPPORT OVER OPENINGS, TYP, UNO.

#### FLOOR FRMG PLAN LEGEND

- TOP OF CONCRETE SLAB ELEVATION CHANGE IN ELEVATION
- CONCRETE SLAB ON STEEL DECK W/ SPAN DIRECTION INDICATED. SEE SCHEDULES B4/S602 & B2/S602 RESPECTIVELY
- STEEL COLUMNS: WIDE FLANGE, TUBE, PIPE
- DEPRESSED SLAB AREAS, COORD W/ ARCHITECTURAL DRAWINGS
- MASONRY WALL
- STEEL STUD WALL
- BEAM SPICE, SEE DETAIL A5/S511
- COLLECTOR BEAM CONNECTION, SEE SCHEDULE E3/S602
- COLLECTOR BEAM SPICE, SEE SCHEDULE E3/S602
- SEISMIC FORCE RESISTING SYSTEM
- ADDITIONAL POINT LOAD

#### PLAN NOTES - FLOOR FRAMING

- J (#) FOLLOWING STEEL BEAM CALLOUT DENOTES HEADED STUD ANCHOR QUANTITY FOR COMPOSITE BEAM. SEE DETAIL A3/S511 FOR SIZE AND SPACING REQUIREMENTS.
- K SEE SHEET S001 FOR BID ALTERNATE INFORMATION.
- 1 STEP IN SLAB. SEE DETAILS B5/S511 & B6/S511. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF STEPS.
- 2 SEE ARCHITECTURAL DRAWINGS FOR DETAILED ELEVATIONS AND CONFIGURATIONS OF LANDINGS AND STAIRS. AT STAIR LANDINGS, USE TYPE SL SLABS AND DL DECK, TYPICAL. SEE DETAIL D4/S511 FOR TYPICAL FRAMING SIZES & REQUIREMENTS.
- 3 ELEVATOR RAIL SUPPORT COLUMNS (ABOVE & BELOW) SHOWN FOR BID PURPOSES ONLY. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL D3/S511 & D2/S511 FOR TYPICAL FRAMING REQUIREMENTS.
- 4 PROVIDE SHORING BELOW SINGLE SPAN DECKING PRIOR TO POURING CONCRETE.
- 5 PROVIDE 3" EXPANSION GAP BETWEEN PEMB AND MEZZANINE STRUCTURE, TYPICAL.

#### PLAN NOTES - FOOTING & FDTN

- # NUMBERED NOTES BELOW ARE KEYED ON PLAN.
- R# DENOTES REINFORCING KEYED ON PLAN, SEE SCHEDULE B4/S602.
- \* SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, TYPICAL.
- \*\* NOT ALL NOTES MAY APPLY TO AREA SHOWN ON SHEET.
- A SEE STRUCTURAL NOTES ON SHEETS S001 & S002 FOR ADDITIONAL INFORMATION.
- B TOP OF CONCRETE SLAB ELEVATION = 100'-0". UNLESS NOTED THUS: SLOPE UNIFORMLY TO FLOOR DRAINS.
- C PLACE CONTROL JOINTS AND CONSTRUCTION JOINTS IN SLAB PER STRUCTURAL NOTES. SEE DETAIL A6/S501.
- D CENTER FOOTINGS ON WALLS AND COLUMNS UNLESS DIMENSIONED OTHERWISE ON PLANS.
- E SEE STRUCTURAL NOTES ON SHEET S001 FOR MINIMUM FROST COVER FOR ALL EXTERIOR FOOTINGS.
- F FOOTING ELEVATIONS SHOWN ARE BASED ON A UNIFORM GRADE 6" BELOW SLAB PLUS 2'-0" FROST COVER. COORDINATE ELEVATOR RAIL SUPPORT COLUMNS SHOWN FOR BID PURPOSES ONLY. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER / SUPPLIER. SEE DETAIL C1/S501 FOR TYPICAL FRAMING REQUIREMENTS.
- G SEE PLAN AND SECTIONS FOR TOP OF FOUNDATION WALL ELEVATIONS.
- H SEE DETAIL A5/S501 AN A3/S501 FOR TYPICAL CONCRETE AND MASONRY WALL REINFORCEMENT AT CORNERS AND INTERSECTIONS. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BRACING FLOOR IS IN PLACE OR ADEQUATE SHORING IS INSTALLED.
- J

#### FTG/FDTN PLAN LEGEND

- FCx.x, FSx.x, FRx.x
- CONTINUOUS FOOTING, SPOT FOOTING, RECTANGULAR FOOTING TYPES RESPECTIVELY, SEE SCHEDULE A3/S601
- CHANGE IN ELEVATION
- TOP OF CONCRETE SLAB ELEVATION
- TOP OF WALL ELEVATION
- TOP OF PIER ELEVATION
- TOP OF FTG ELEVATION
- CONCRETE SLAB ON GRADE, SEE SCHEDULE B4/S602
- CONCRETE FOOTING, SEE SCHEDULE A3/S601
- CONCRETE FDTN WALL TYPE, SEE SCHEDULE A5/S601
- RECESS IN CONCRETE FDTN WALL
- CONCRETE PIER IN WALL, SEE SCHEDULE B4/S601
- SITE WALL, COORD W/ ARCH / CIVIL DWGS
- STEEL STUD WALL
- STEEL COLUMNS: WIDE FLANGE, HSS, BASE PLATE TYPE, SEE SCHEDULE B1/S601

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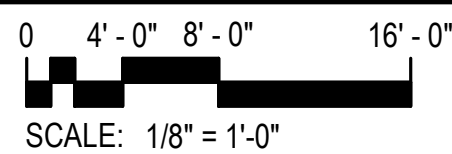
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SHEET TITLE	
BID ALT #1 - FOOTING & FOUNDATION & LEVEL 2 FRAMING PLANS	
SHEET NUMBER	
S901	





- # M101



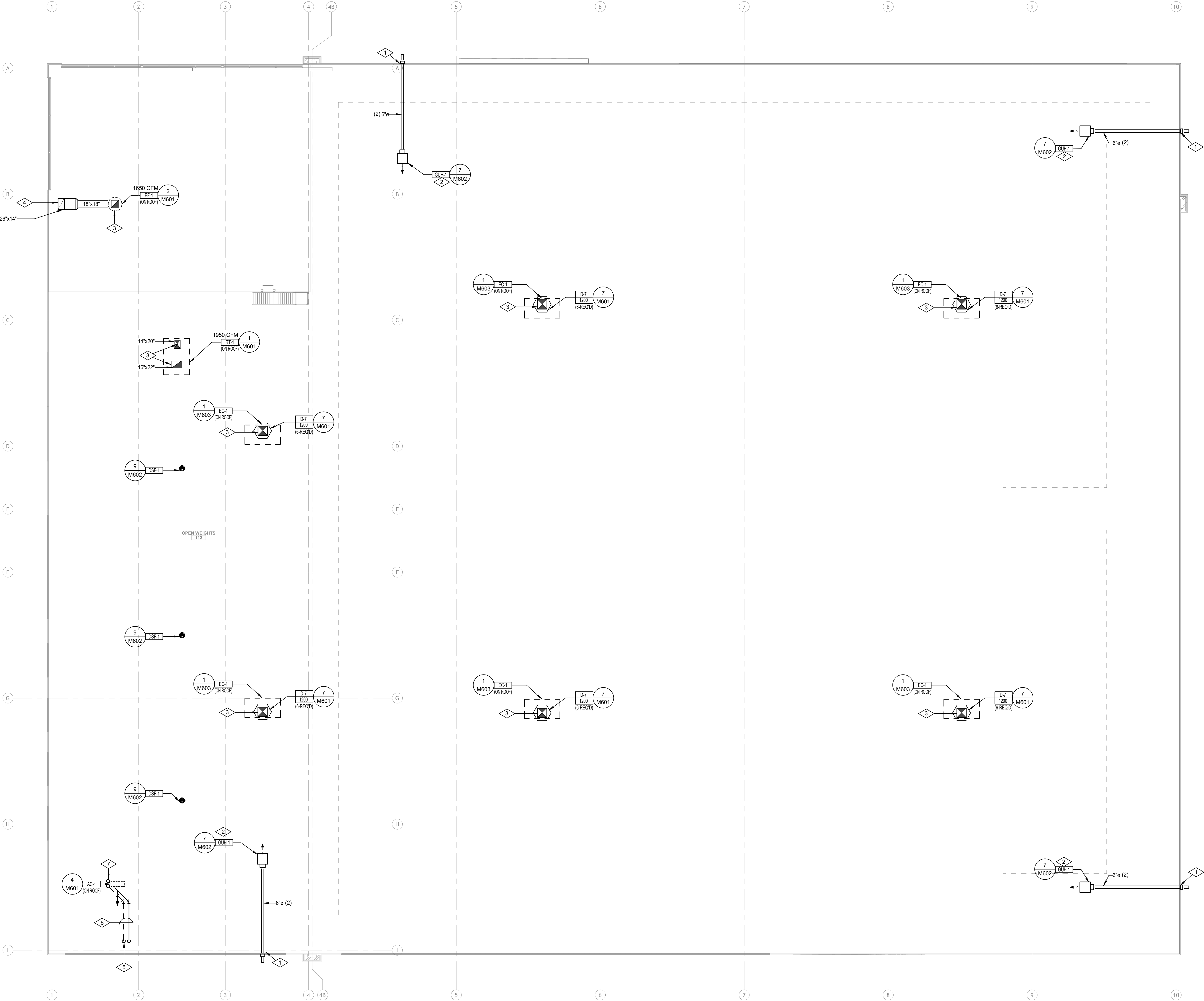
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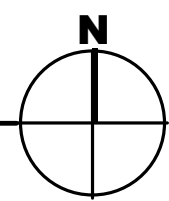
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LEVEL 2 OVERALL MECHANICAL PLAN

0 4'-0" 8'-0" 16'-0"  
SCALE: 1/8" = 1'-0"



REFERENCE NOTES

- 1 COMBUSTION AIR AND EXHAUST FLUES TO CONCENTRIC SIDEWALL KIT. INSTALL AS PER MANUFACTURERS INSTRUCTIONS.
- 2 GUH-1 MOUNTED AS PER MANUFACTURER'S INSTRUCTIONS. FIELD COORDINATE EXACT MOUNTING HEIGHT WITH G.C.
- 3 DUCT THRU ROOF. COORDINATE WITH STRUCTURE.
- 4 DUCT UP FROM BELOW. SEE M101.
- 5 REFRIGERANT LINES UP FROM BELOW. SEE M101.
- 6 RUN TIGHT BELOW ROOF DECK.
- 7 REFRIGERANT LINES UP THRU ROOF TO AC-1 OUTDOOR UNIT.



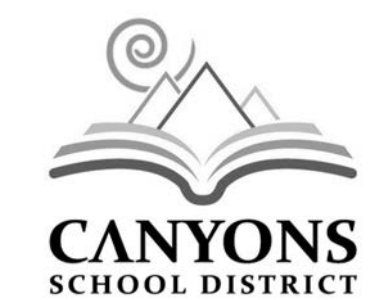
233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
core@corearch.com

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CONSULTANT INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

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SHEET TITLE

Level 2  
Mechanical  
Plan

SHEET NUMBER

M102



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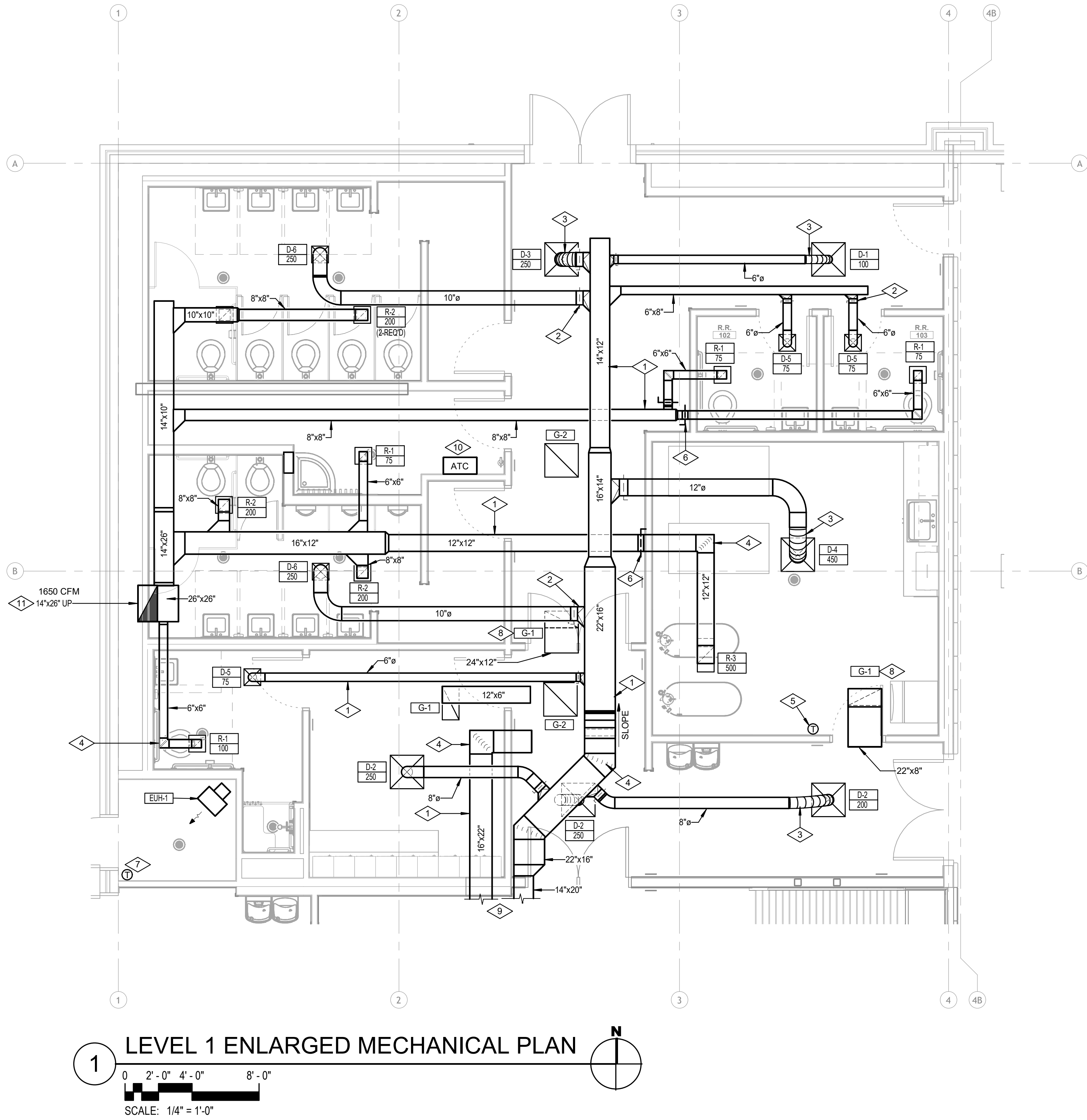
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REFERENCE NOTES

- DUCT TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
- H.E.T. FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
- FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0"
- TURNING VANES. (TYPICAL)
- WALL MOUNTED HEATING & COOLING THERMOSTAT (TYPICAL) MOUNT AT 48" AFF.
- MANUAL BALANCING DAMPER. (TYPICAL)
- WALL MOUNTED HEATING THERMOSTAT.
- SOUND BOOT AT GRILLE. (TYPICAL) SEE DETAIL 5/M601.
- SEE SHEET M101 FOR CONTINUATION.
- ATC PANEL. 120/1/60 POWER REQUIRED.
- DUCT UP TO ABOVE. SEE M102.



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DRAWING SET STATUS

BID SET

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SHEET TITLE

Level 1  
Enlarged  
Mechanical  
Plan

SHEET NUMBER

M401



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		ROOFTOP UNIT SCHEDULE																				
SYMBOL	ROOM	CFM	ESP	FAN MOTOR B.H.P.	MIN O.A.	(5)				(2)(5)					IEER	POWER	MCA 460/360	MOCP 460/360	UNIT DIMENSIONS	WEIGHT LBS.	MODEL & MANUFACTURER	
						TYPE	MBH 1ST STAGE	MBH 2ND STAGE	STAGES	EAT	OAT	TOTAL MBH	SENSIBLE MBH	STAGES								
(BASE BID)	[RT-1]	TRAINING ROOMS	1950	.65	1.0	150	NATURAL GAS	40	53.6	2	78.6	98	44.26	31.69	1	16.0	480/360	12.0	15	74.4 L x 46.6 W x 33.4 H	700	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	[RT-2]	VIP & KITCHENETTE	2400	.80	1.51	250	NATURAL GAS	88	-	1	80.0	98	68.00	47.00	-	15.0	460/360	16.0	20	74.4 L x 46.6 W x 41.4 H	1000	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	[RT-3]	LEGACY RM.	1200	.80	0.67	150	NATURAL GAS	88	-	1	80.0	98	44.00	47.00	-	14.0	460/360	13.0	15	74.4 L x 46.6 W x 33.4 H	900	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	[RT-4]	CONFERENCE ROOM	800	.80	0.67	150	NATURAL GAS	88	-	1	80.0	98	30.00	17.00	-	14.0	460/360	11.0	15	74.4 L x 46.6 W x 33.4 H	715	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	[RT-5]	WEIGHT ROOM	3000	.80	1.48	450	NATURAL GAS	144	-	1	78.6	98	85.00	55.00	-	11.2	460/360	21.0	25	88.1 L x 59.5 W x 41.3 H	1205	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	[RT-6]	WEIGHT ROOM	3000	.80	1.48	450	NATURAL GAS	144	-	1	78.6	98	85.00	55.00	-	11.2	460/360	21.0	25	88.1 L x 59.5 W x 41.3 H	1205	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL
(ALT. #1)	[RT-7]	OFFICES	1200	.80	0.67	150	NATURAL GAS	88	-	1	80.0	98	44.00	47.00	-	14.0	460/360	13.0	15	74.4 L x 46.6 W x 33.4 H	900	CARRIER, DAIKIN, TRANE OR APPROVED EQUAL

- NOTES:
- ROOFTOP UNIT TO BE COMPLETE WITH HINGED ACCESS DOORS, FACTORY POWER EXHAUST, 100% OUTDOOR AIR ECONOMIZER PACKAGE WITH BUILT-IN 100% RELIEF AIR, 12" HIGH FACTORY ROOF CURB, WEATHERPROOF GFI CONVENIENCE OUTLET AND ALL CONTROLS FOR AUTOMATIC OPERATION. UNIT SHALL BE U.L. LISTED, ARI CERTIFIED AND AGA APPROVED.
  - COOLING CAPACITY BASED ON 45 DEG. F, S.S.T., 80 DEG. F, 48 TEMP, 67 DEG. F, 96 TEMP. AND 96 DEG. F O.A. TEMP.
  - UNITS SHALL BE COMPLETE WITH 2" MERV 8 FILTERS.
  - UNITS SHALL USE R-410A REFRIGERANT.
  - CAPACITIES BASED ON 4200 FT. ELEVATION.

B

EVAPORATIVE COOLER SCHEDULE							
SYMBOL	CFM	E.S.P. IN.	H.P.	NOMINAL SIZE L x W x H	WEIGHT	MAKE & MODEL	VOLTAGE
[EC-1]	7225	0.20	1 1/2	82" L x 45" W x 44" H	800 lbs.	MASTERCool AD 1000B	480V/3/60 (1)

- NOTES:
- EVAPORATIVE COOLERS SHALL HAVE WEATHER PROOF ENCLOSURE, 8" CELL-DEK TYPE EVAPORATIVE MEDIA, PUMP(S), FLOAT, SWITCH AND GFI RECEPTACLE.
  - THESE COOLERS REQUIRE 2 CIRCUITS EACH, 480V-3 PHASE, FOR COOLER ON ONE CIRCUIT, 0.75 AMPS AT 120V 1 PHASE FOR THE PUMP CIRCUIT. (THIS AMPERAGE IS FOR 2 PUMPS PER COOLER.)

ELECTRIC UNIT HEATER SCHEDULE						
SYMBOL	TYPE	CFM	BTUH	AMPS	VOLTAGE	MAKE & MODEL (1)
[EUH-1]	HORIZONTAL	400	11,200	15.9	208/1/60	MARKEL 5100 - F1F5103N

- NOTES:
- PROVIDE MOUNTING BRACKET, DISCONNECT, SUMMER FAN SWITCH AND THERMOSTAT.

C

DIFFUSER SCHEDULE						
SYMBOL	TYPE	NECK SIZE	LOCATION	AIR PATTERN	FACE SIZE	MAKE & MODEL
[D-1] CFM	SUPPLY	6" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
[D-2] CFM	SUPPLY	8" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
[D-3] CFM	SUPPLY	10" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
[D-4] CFM	SUPPLY	6" DIA.	LAY-IN CEILING	4-WAY	24" x 24"	TITUS OMNI (1)(2)
[D-5] CFM	SUPPLY	10" DIA.	GYP. BD. CEILING	4-WAY	12" x 12"	TITUS OMNI (1)(2)
[D-6] CFM	SUPPLY	12" DIA.	LAY-IN CEILING	4-WAY	12" x 12"	TITUS OMNI (1)(2)
[D-7] CFM	SUPPLY	20"x12"	SEE 7/M601	2-WAY	--	TITUS DL (3)

- NOTES:
- DIFFUSER SUPPLIER SHALL COORDINATE W/ REFLECTED CEILING PLANS TO DETERMINE TYPE OF FRAMES
  - COLOR & FINISH TO MATCH CEILING GRID. COORDINATE WITH ARCHITECT.
  - PROVIDE MANUAL DAMPERS

EXHAUST FAN SCHEDULE									
SYMBOL	TYPE	AREA SERVED	CFM	S.P.	RPM	MOTOR	DRIVE	WEIGHT LBS.	MAKE & MODEL (1)
(BASE BID) [EF-1]	ROOF	RR 106/108	1650	1.0"	1171	1-1/2 HP 120/180	BELT	224	TWIN CITY BCRD 180D
(ALT. #1) [EF-2]	CEILING	KITCHEN 203	400	1.0"	1350	3/4 HP 120/180	DIRECT	192	TWIN CITY BCRD 160D
(ALT. #1) [EF-3]	CEILING	RR 204	75	0.75"	1194	1/3 HP 120/180	DIRECT	178	TWIN CITY BCRD 140D
(ALT. #1) [EF-4]	CEILING	RR 205	75	0.75"	1559	1/3 HP 120/180	DIRECT	85	TWIN CITY DCRD 120B
(ALT. #1) [EF-5]	CEILING	RR 207G	100	0.75"	1559	1/3 HP 120/180	DIRECT	85	TWIN CITY DCRD 120B

- NOTES:
- EXHAUST FANS TO BE ROOF-MOUNTED CENTRIFUGAL TYPE, COMPLETE WITH SPUN ALUMINUM HOOD, BIRDSCREEN, DISCONNECT SWITCH UNDER HOOD, PREFAB CURB AND BACKDRAFT DAMPER.

LOUVER SCHEDULE					
SYMBOL	SIZE	LOCATION	TYPE	MAKE & MODEL (1)(2)(3)(5)	
[L-1]	96" x 72"	HIGH SIDE WALL	RELIEF	AIROLITE K609A	(6)

- NOTES:
- PROVIDE 1/2" MESH BRONZE BIRDSCREEN.
  - PROVIDE KYNAR 500 COATING. PROVIDE COLOR SELECTIONS WITH SUBMITTALS.
  - COORDINATE EXACT MOUNTING LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
  - SHEET METAL CONTRACTOR TO PROVIDE FRAME @ EXPOSED WALL WITH INSIDE FLANGE.
  - LOUVER FRAME TO BE RECESSED TYPE.
  - MOTORIZED DAMPER AND BACKDRAFT DAMPER REQUIRED.

D

E

## ATHLETICS BUILDING MECHANICAL EQUIPMENT SCHEDULES

[ATU-1]	AIR TURNOVER UNIT: OUTDOOR UNIT @ 17,860 CFM AT 0.125" S.P. DIRECT GAS FIRED, 1,660 MBH, PREMIUM EFFICIENCY 15 H.P. MOTOR, 460/360 POWER, FACTORY THERMOSTAT AND CONTROL PANEL, 80/20 30% 2" PLEATED FILTER SECTION, DISCHARGE DAMPER AND ACTUATOR, HEAVY DUTY DISCHARGE DIFFUSER, AND RETURN GRILLE GAS PRESSURE SWITCH, DOOR INTERLOCKED NON-FUSED DISCONNECT SWITCH, INTERRUPTED IGNITION, LON CARD FOR BMS INTERFACE, FACTORY STAND WITH EXTENSION AS REQUIRED FOR BUILDING HEIGHT, FACTORY SERVICE PLATFORM WITH SAFETY RAIL AND ACCESS LADDER, MOTOR FLA = 21, UNIT FLA = 22 WEIGHT: 3,373 LBS MANUFACTURER: TITAN AIR, OR APPROVED EQUAL MODEL: TA-122 NG VRH AR60
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[AC-1]	INDOOR UNIT: HEATING/COOLING, CEILING CASSETTE, 230-265-300CFM, 3,600-9,000 BTUH TOTAL COOLING CAPACITY AT 55°F O.A. TEMP, 80°F D.B. & 67°F W.B., 6,900 BTUH TOTAL HEATING CAPACITY AT 17°F O.A. TEMP, 70°F D.B. & 60°F W.B., MCA=1.0, 208/230/180 MOTOR TO BE UL LISTED. UNIT TO BE COMPLETE WITH CLEANABLE FILTER, CONDENSATE PUMP, CHECK & EXPANSION VALVE KIT, PRE-CHARGED LINE SET, DRIP PAN AND DRAIN CONNECTION, PROVIDE WALL MOUNTED THERMOSTAT WITH NIGHT SET BACK, THERMOSTAT SHALL BE HARD WIRED TO UNIT. UNIT DIM: 22 7/16" L x 22 7/16" W x 9 21/32" H. WEIGHT: 31 LBS. SEER : 22.4 MANUFACTURER: MITSUBISHI MODEL: SLZ-KF09NA
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OUTDOOR UNIT: AIR COOLED, HORIZONTAL DISCHARGE, INVERTER COMPRESSOR, UNIT TO BE MOUNTED ON ROOF, 3,600-9,000 BTUH TOTAL COOLING CAPACITY AT 55°F O.A. TEMP, 80°F D.B. & 67°F W.B., 6,900 BTUH TOTAL HEATING CAPACITY AT 17°F O.A. TEMP, 70°F D.B. & 60°F W.B., MCA=9.0, 208/230/180. UNIT TO BE COMPLETE WITH CRANKCASE HEATER, AMBIENT CONTROL KIT TO 0°F, AND ALL CONTROLS FOR AUTOMATIC OPERATION. CONTRACTOR TO PROVIDE A ROOF CURB 12" ABOVE FINISHED ROOF LEVEL.  
UNIT DIM: 31 1/2" L x 11 1/4" W x 21 5/8" H.  
WEIGHT: 81 LBS.  
MANUFACTURER: MITSUBISHI  
WEIGHU: SUZ-KA09NA2

[DSF-1]	DE-STRAT FAN: MIXED AIR TYPE FOR EXPOSED MOUNTING, MULTI-VANE STATOR AND VENTURI NOZZLE, 6"Ø STEEL SEISMIC SAFETY LEASH, BAGNETTIP CONTROL PACKAGE, FACTORY SMART CONTROLLER WITH HIGH/LOW TEMPERATURE SENSORS AND FACTORY INLET GRILLE. ELECTRICAL: 120/1/60, 0.4 AMPS MANUFACTURER: AIRIUS FANS OR APPROVED EQUAL A: AIR PEAR 25, "OFF-WHITE"
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REGISTER & GRILLE SCHEDULE				
SYMBOL	SIZE	LOCATION	TYPE	MAKE & MODEL (1)
[R-1] CFM	8"x8"	CEILING	EXHAUST	TITUS 4FL (2)(5)
[R-2] CFM	12"x12"	CEILING	EXHAUST	TITUS 4FL (2)(5)
[R-3] CFM	24"x24"	CEILING	EXHAUST	TITUS 4FL
[G-1]	24"x12"	CEILING	RETURN	TITUS 4FL
[G-2]	24"x24"	CEILING	RETURN	TITUS 4FL

- NOTES:
- COLOR AND FINISH TO MATCH CEILING GRID. COORDINATE WITH ARCHITECT. SUPPLIER OF REGISTERS AND GRILLES SHALL COORDINATE WITH REFLECTED CEILING PLANS TO DETERMINE PROPER FRAMES.
  - ALL REGISTERS TO BE C/W OPPOSED BLADE VOLUME CONTROL DAMPER.
  - GRILLE SHALL HAVE BRIGHT WHITE FINISH AND FLANGE FOR SURFACE MOUNTING.
  - GRILLE SHALL BE HEAVY DUTY GYMNASIUM TYPE WITH CONTINUOUS LOUVER BLADES.
  - REGISTER TO BE OF ALUMINUM CONSTRUCTION.

GAS FIRED UNIT HEATER SCHEDULE							
SYMBOL	TYPE	MBH INPUT	MBH OUTPUT	FLUE	CFM	MOTOR	MAKE & MODEL (1)(2)(3)
[GUH-1]	HORIZONTAL	300	249	6" DIA.	3843	1/4 HP, 115/60/1, 11.0 AMPS	REZNOR MODEL UDAS-300

- NOTE:
- WITH THERMOSTAT & OUTLET LOUVERS EQUIPPED FOR HIGH ALTITUDE.
  - TWO-STAGE GAS CONTROL
  - PROVIDE VERTICAL VENTILATION/COMBUSTION AIR ARRANGEMENT KIT.

## SYMBOL LIST

	SUPPLY DIFFUSER
	RETURN OR EXHAUST GRILLE
	SUPPLY DROP THRU ROOF OR FLOOR ABOVE
	RETURN OR EXHAUST RISER THRU ROOF OR FLOOR ABOVE
	FLEXIBLE DUCTWORK
	TURNING VANES
	HIGH EFFICIENCY FITTING WITH VOLUME CONTROL DAMPER
	EQUIPMENT ON ROOF
	WALL MOUNTED THERMOSTAT

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## REVISIONS

DESCRIPTION	DATE

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

## DRAWING SET STATUS

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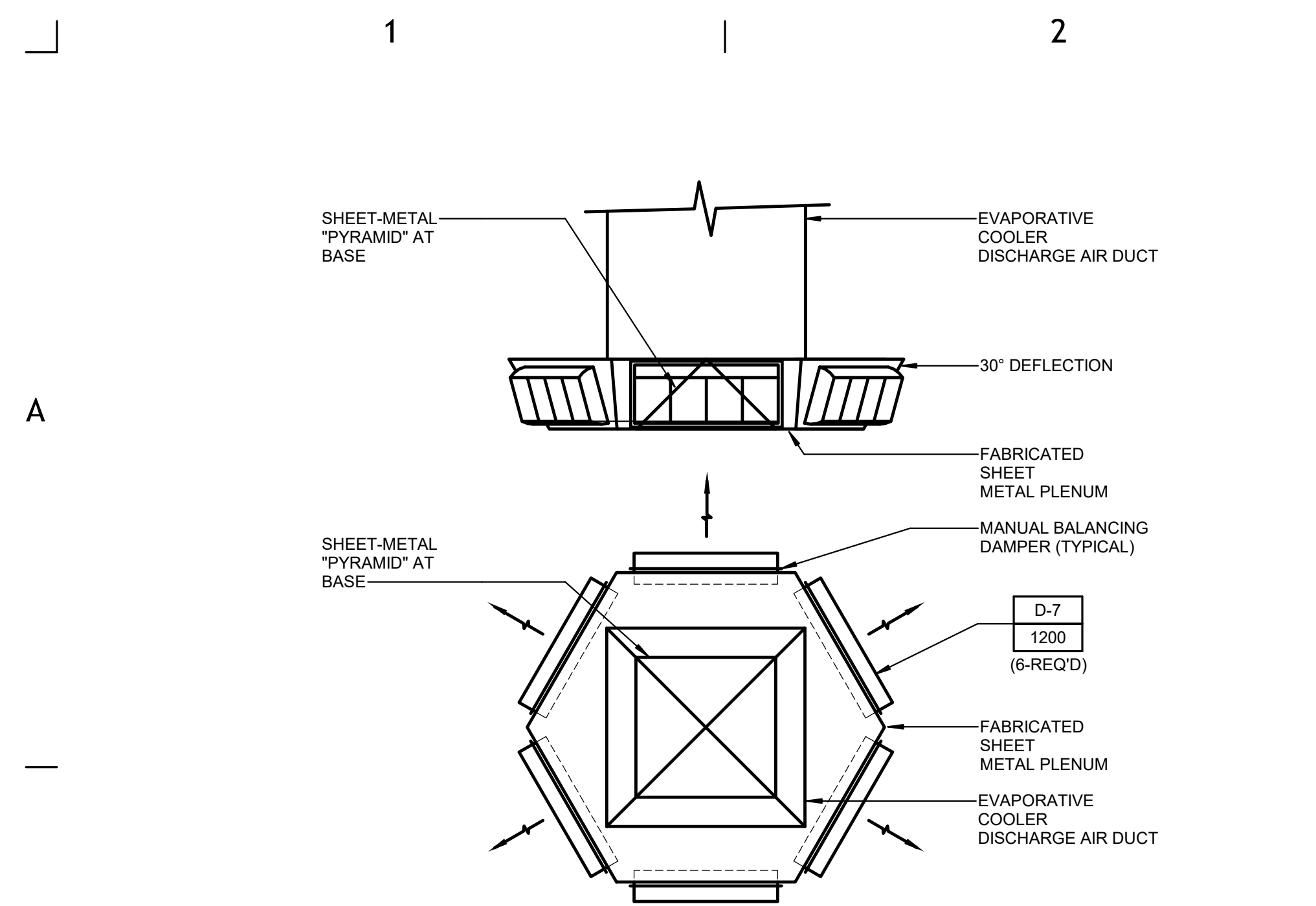
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## Mechanical Schedules

## SHEET NUMBER

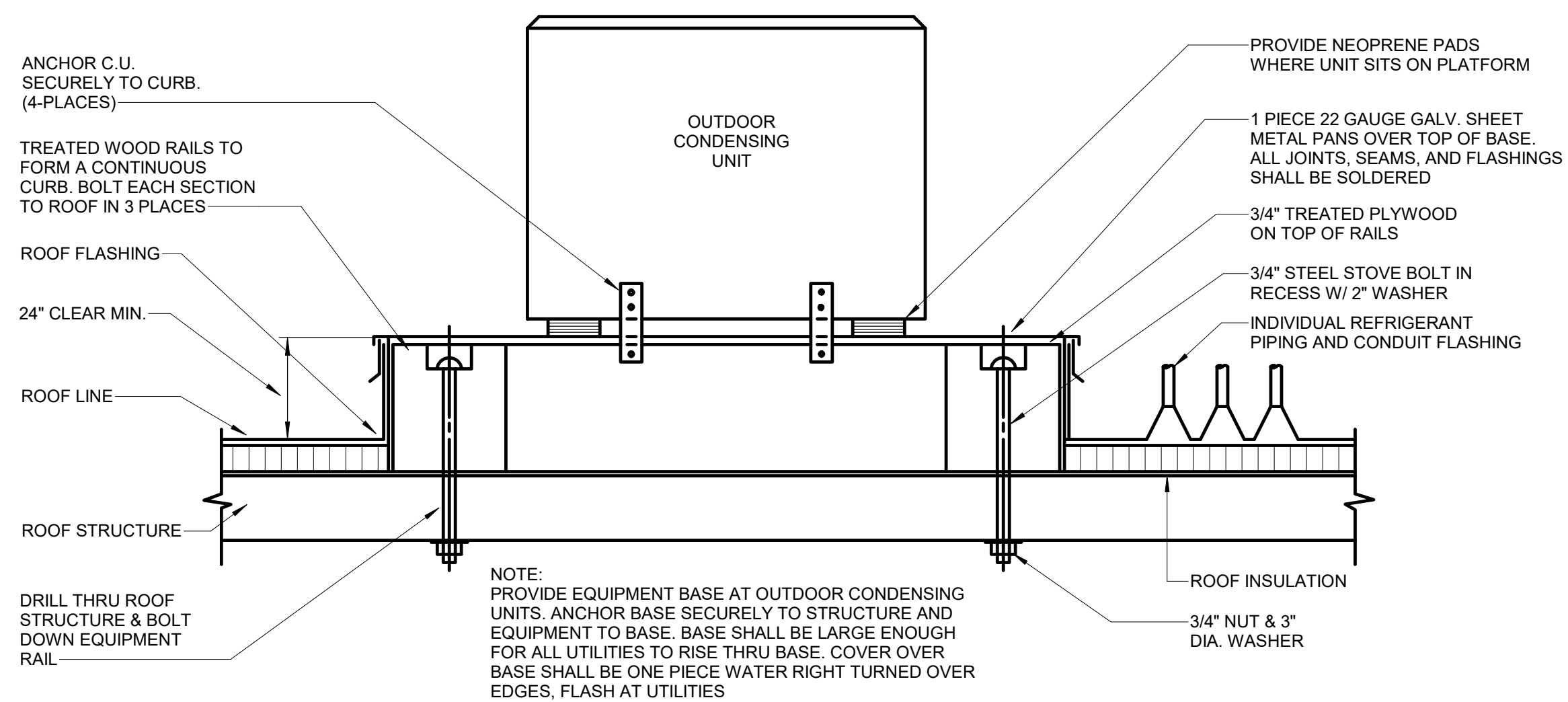
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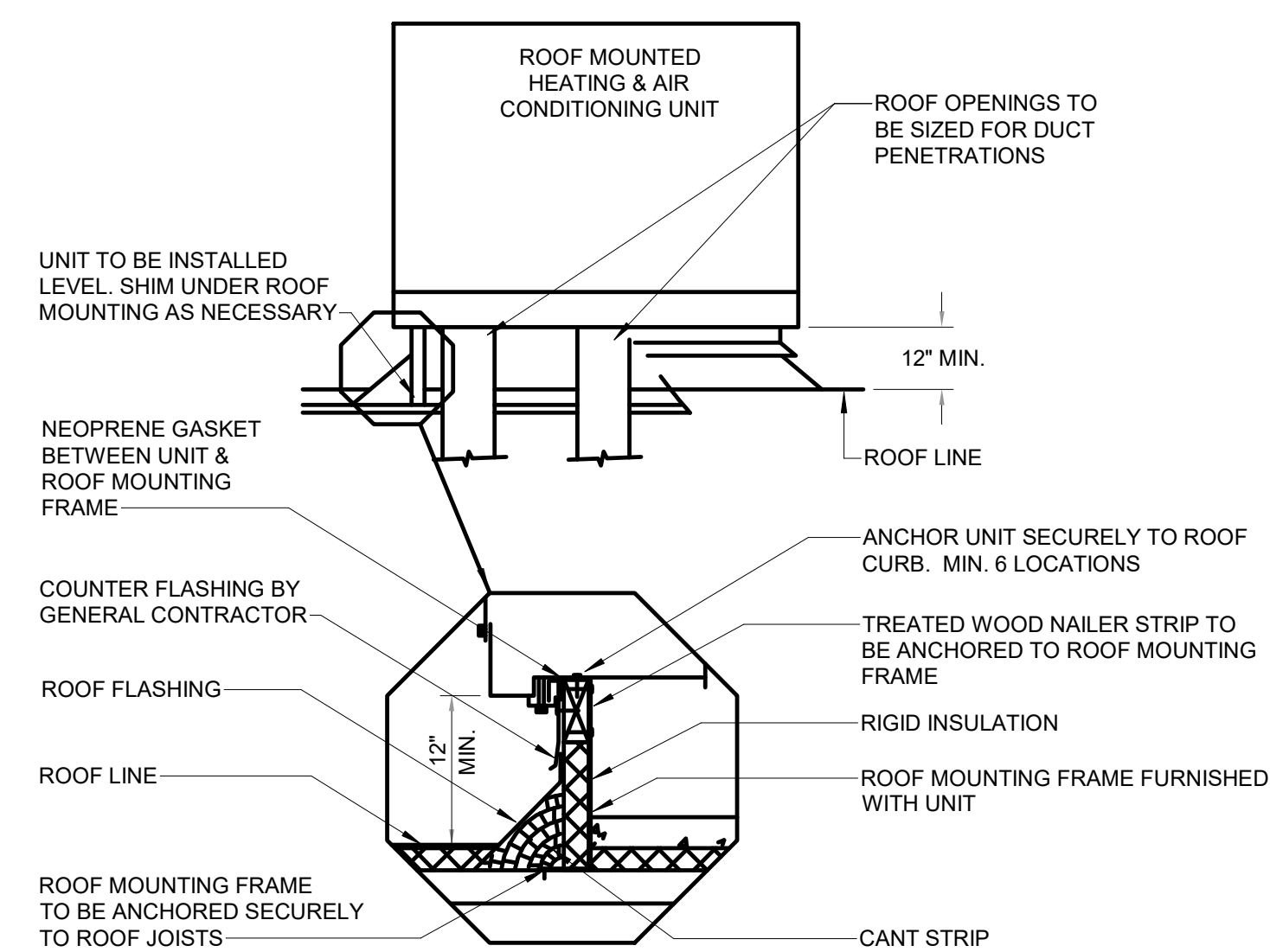
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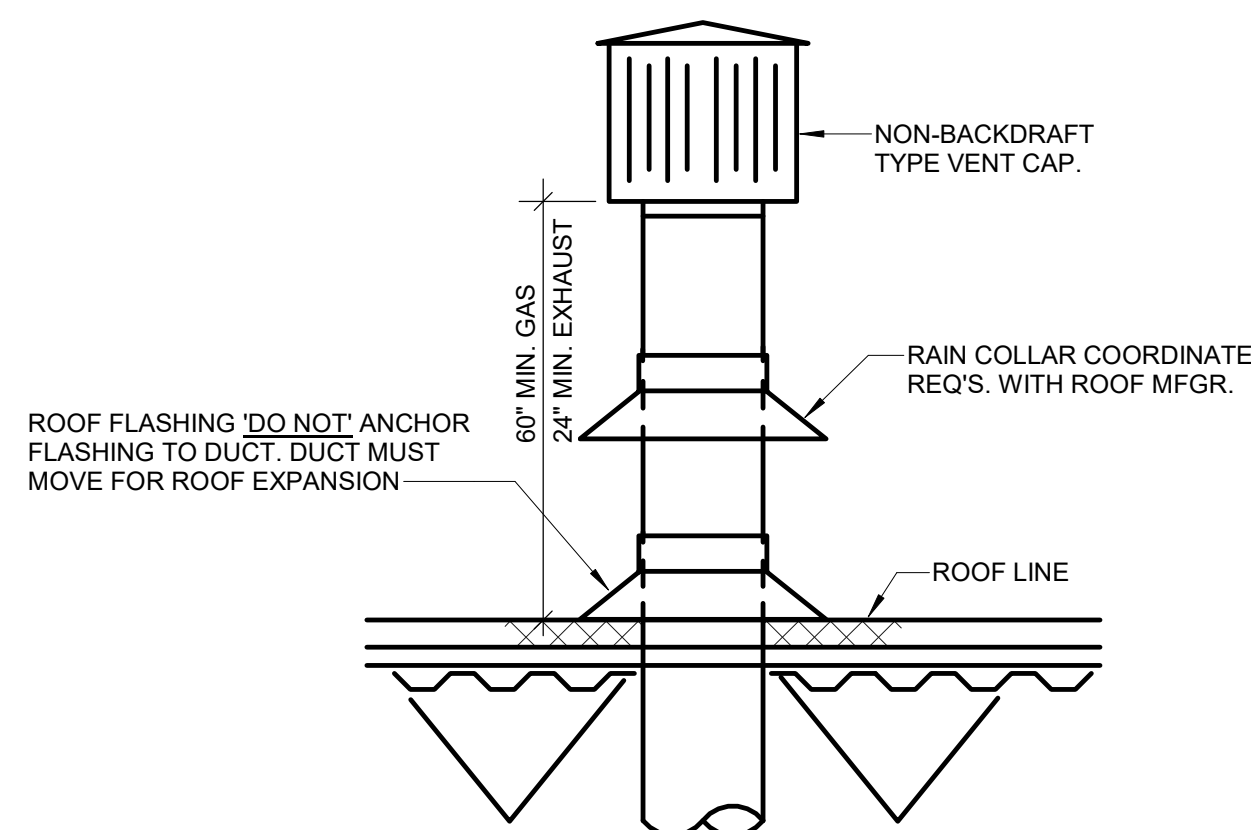
## AC OUTDOOR UNIT DETAIL

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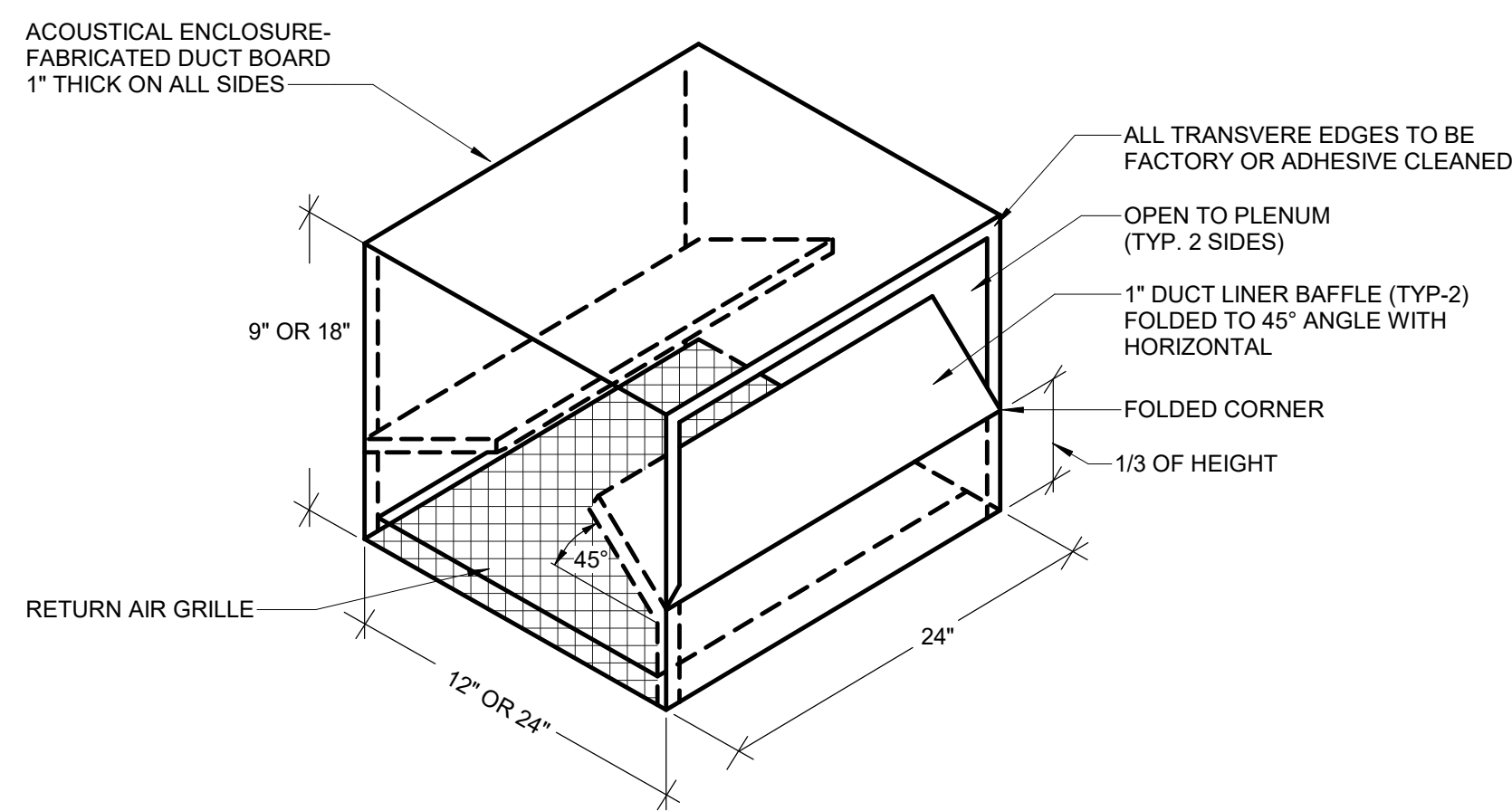
### ROOF MOUNTED ROOFTOP DETAIL

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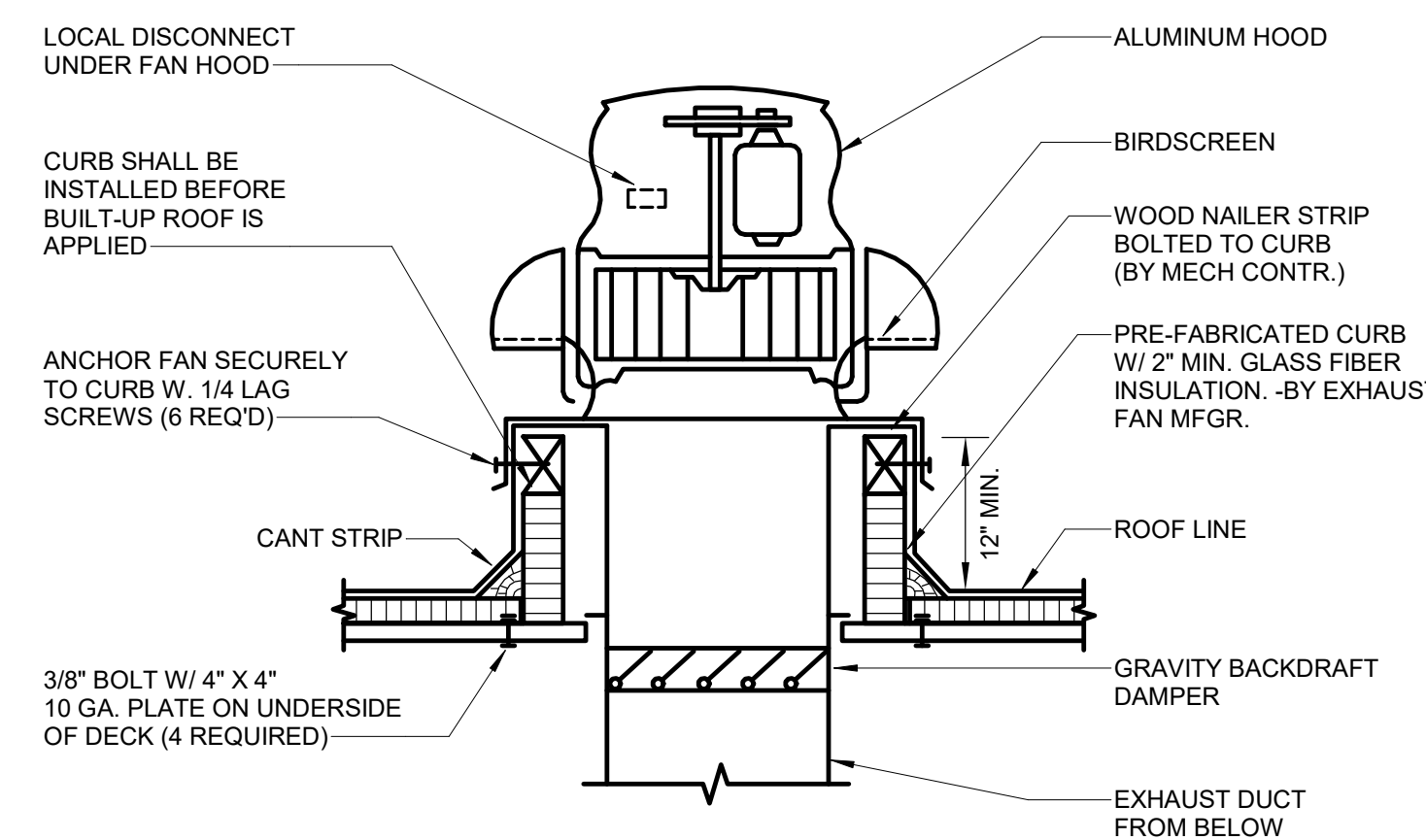
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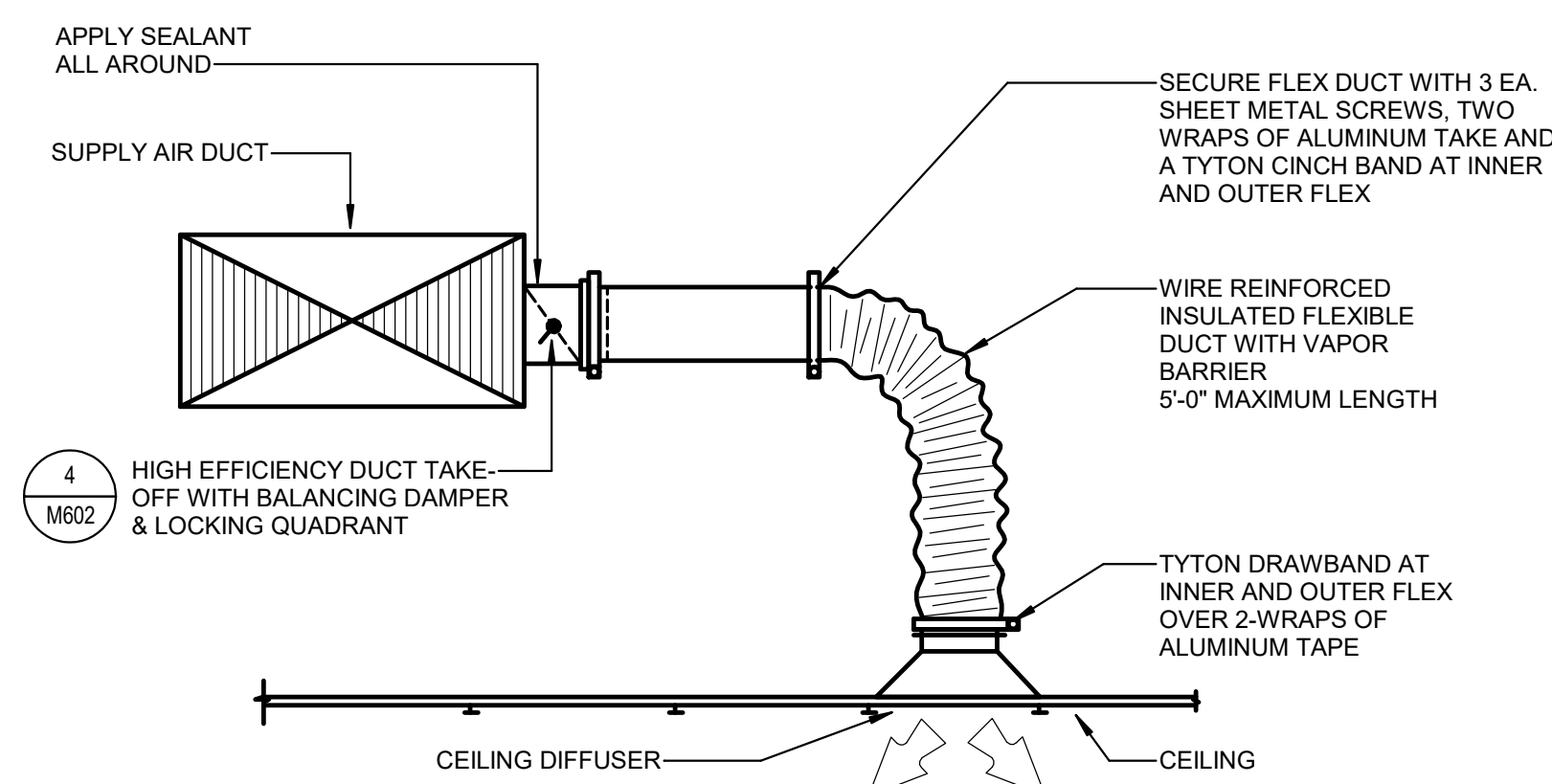
### RETURN AIR BOOT DETAIL

SCALE: NTS



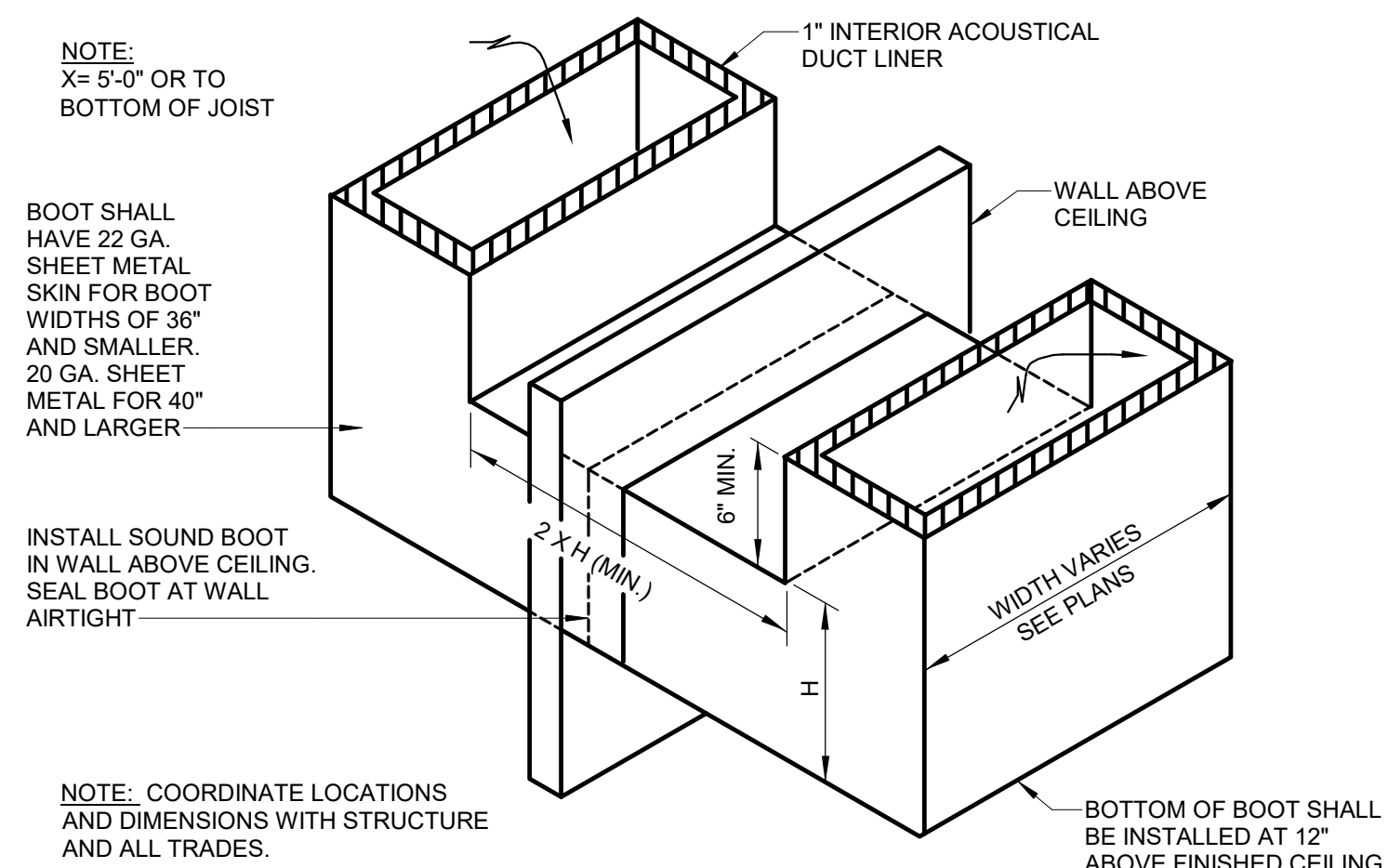
### ROOF MOUNTED EXHAUST FAN DETAIL

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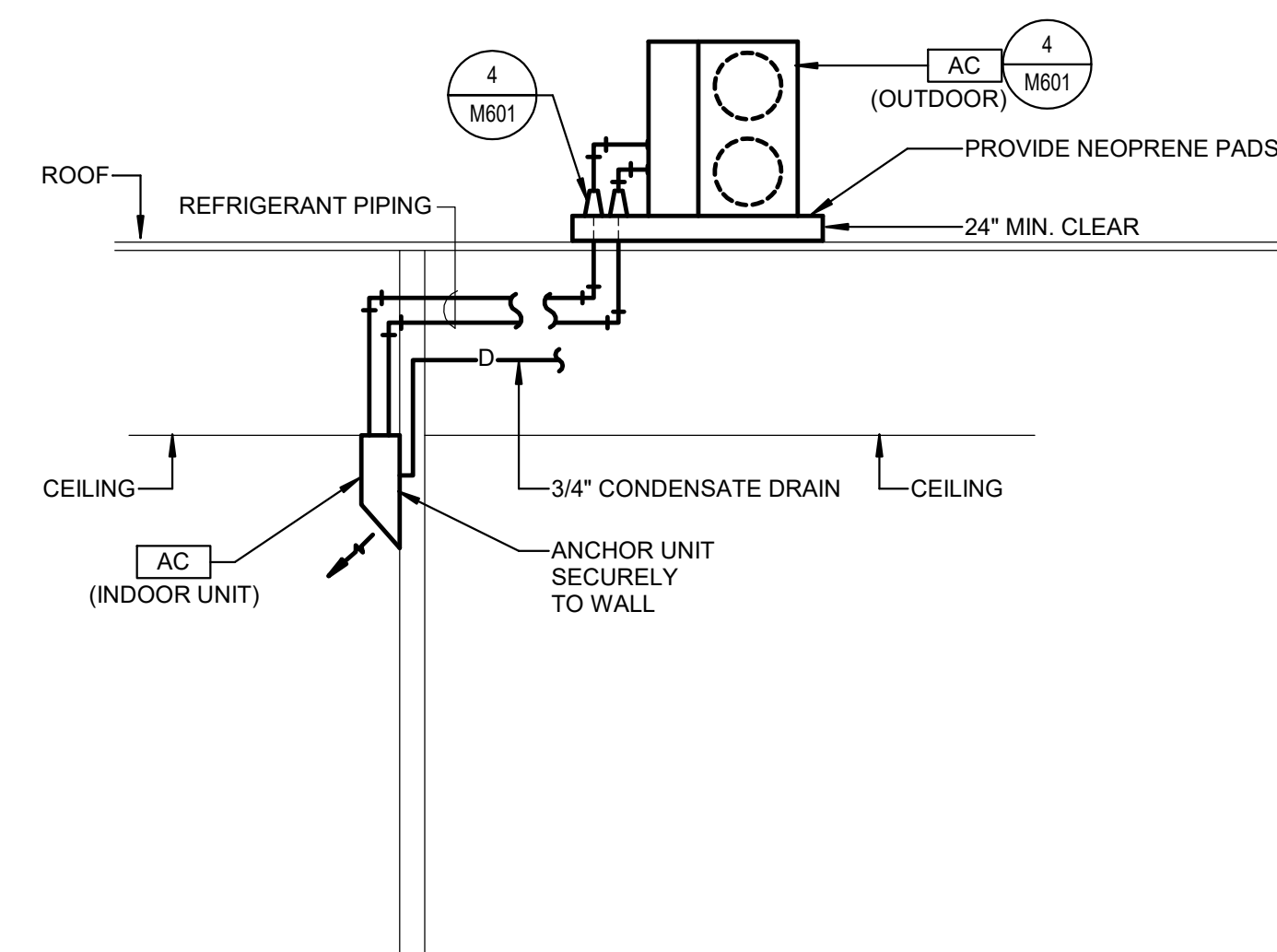
## CEILING DIFFUSER DETAIL

SCALE: NTS



## RETURN AIR SOUND BOOT DETAIL

SCALE: NTS



### A/C UNIT DETAIL

SCALE: NTS

[illegible]

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
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**DRAWING SET STATUS**

**BID SET**

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**SHEET TITLE**



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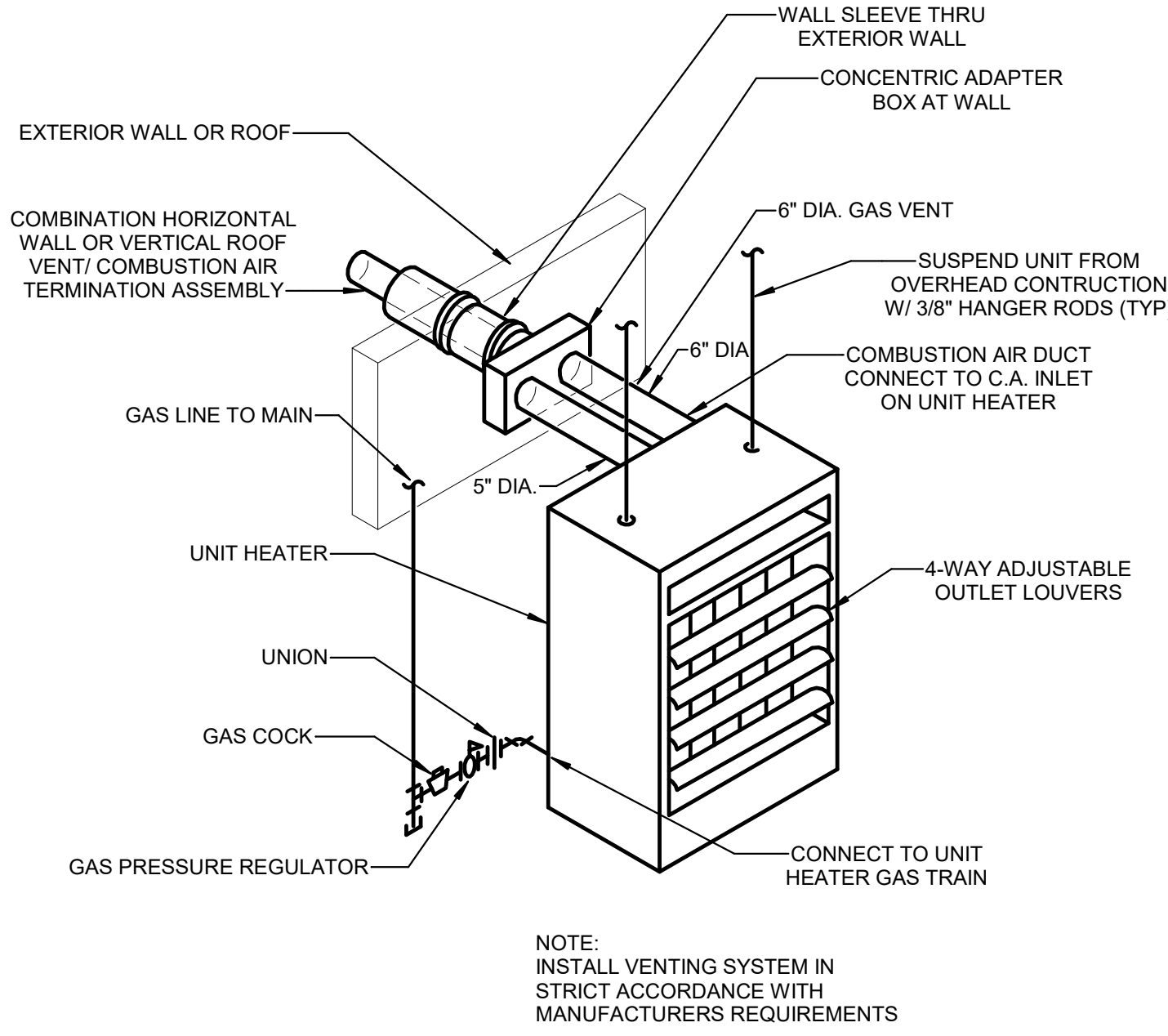
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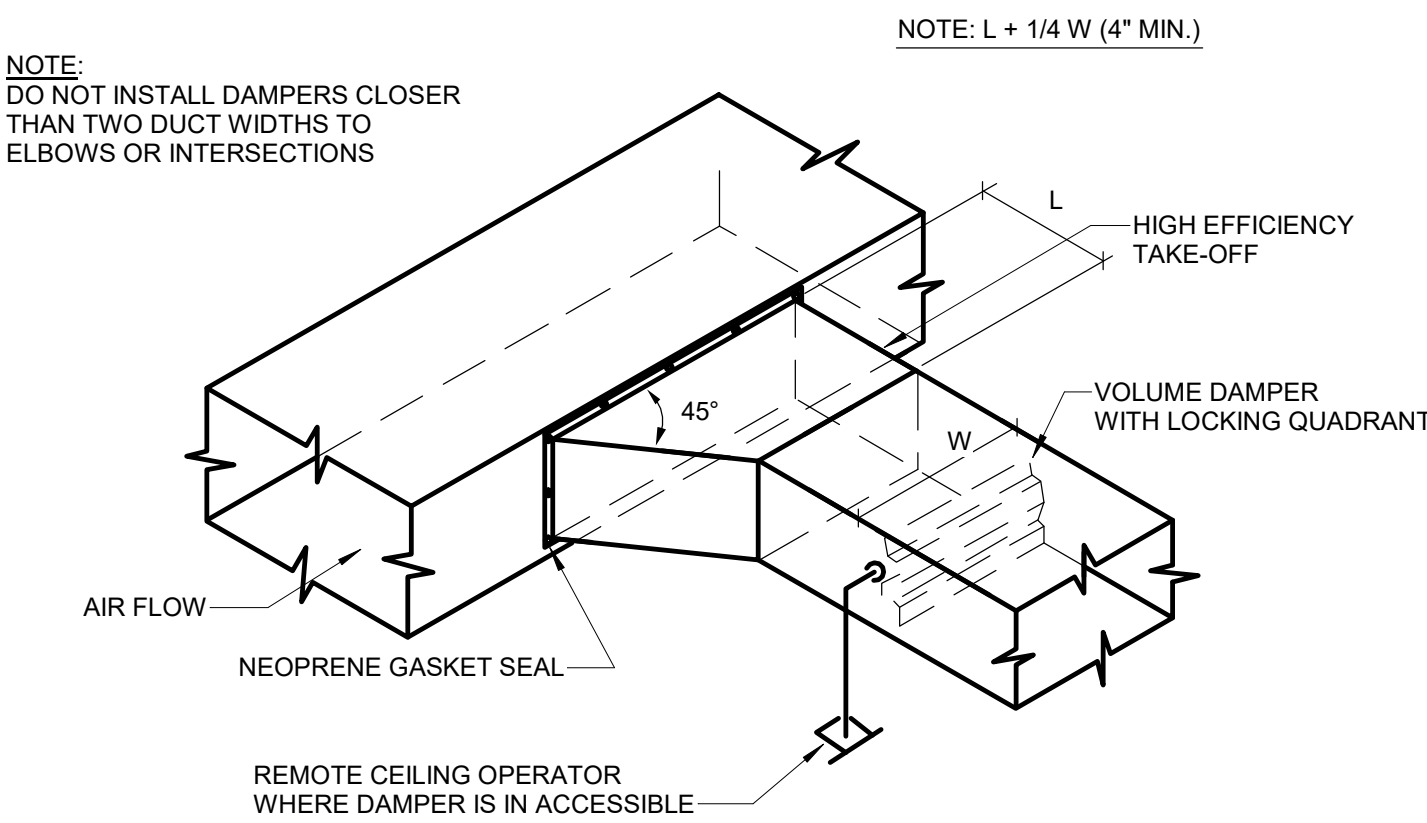
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GAS FIRED UNIT HEATER PIPING SCHEMATIC

SCALE: NTS

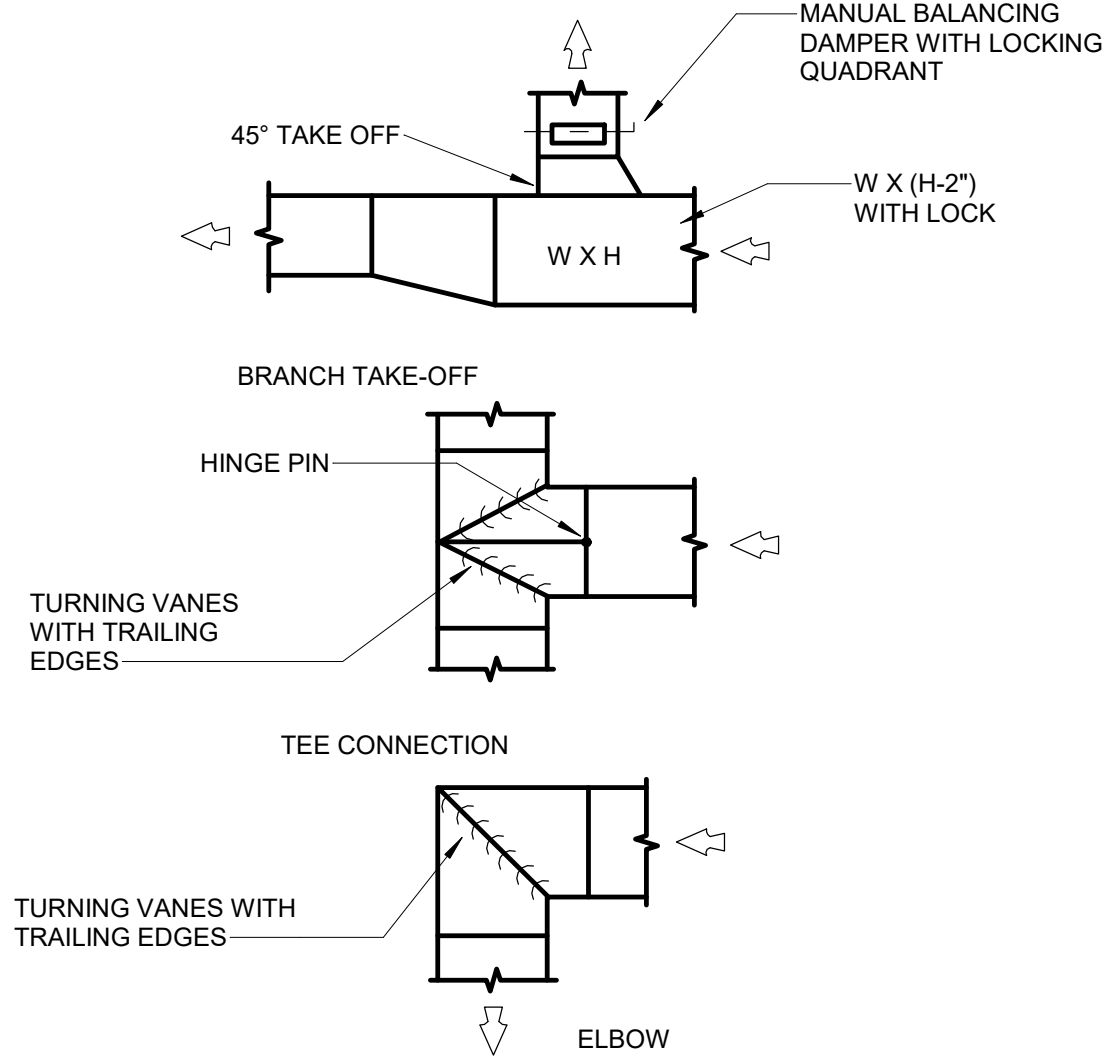
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M602



BRANCH DUCT TAKE-OFF DETAIL

SCALE: NTS

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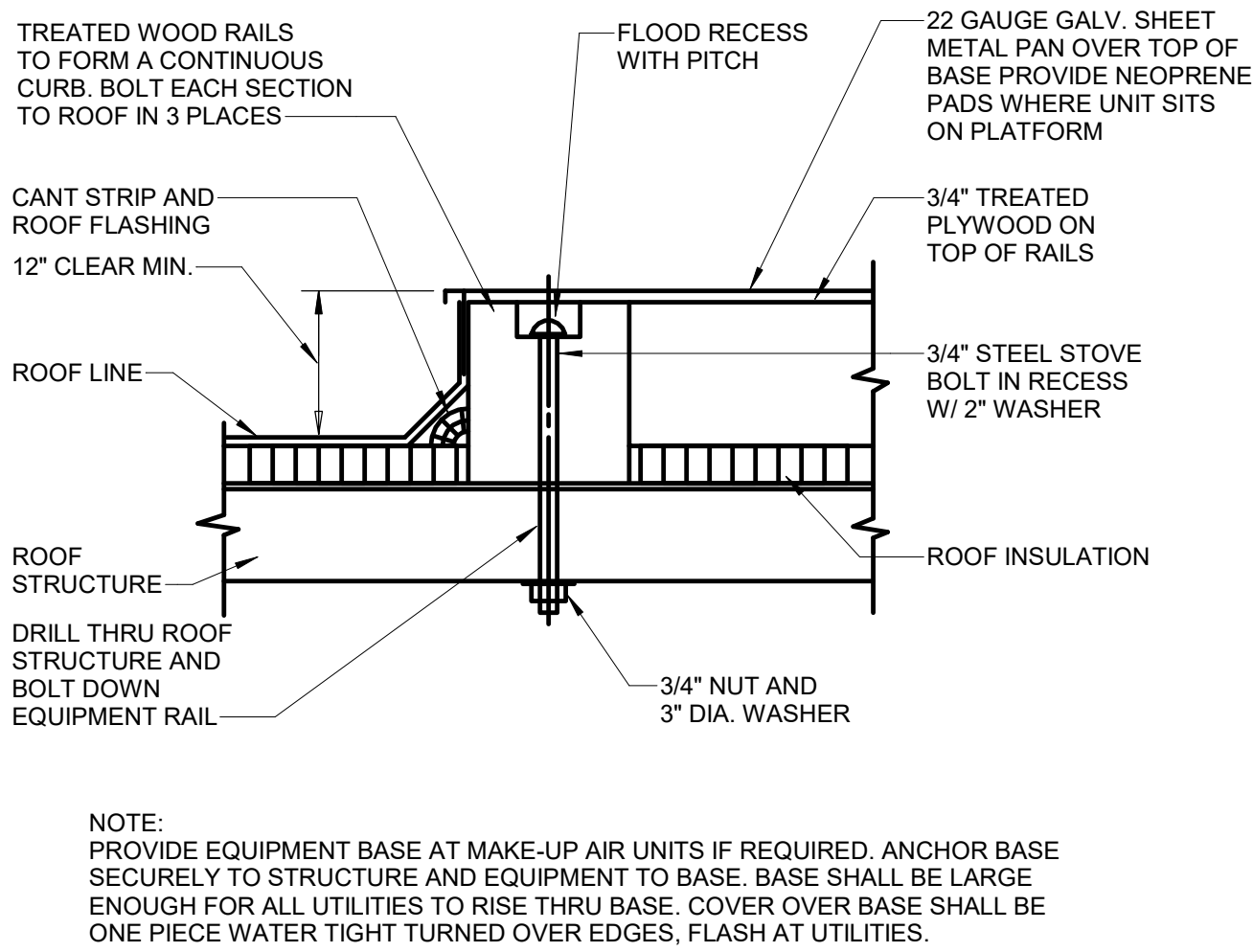


LOW PRESSURE DUCT DETAIL

SCALE: NTS

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M602

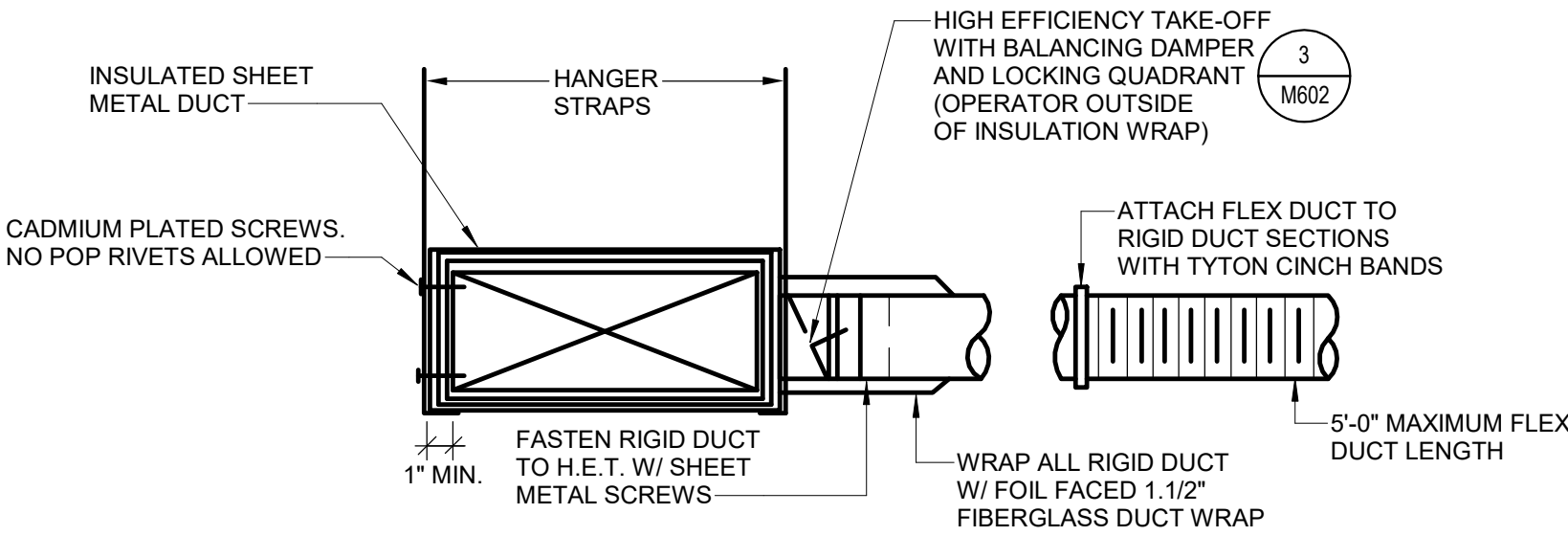
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ROOFTOP EQUIPMENT BASE DETAIL

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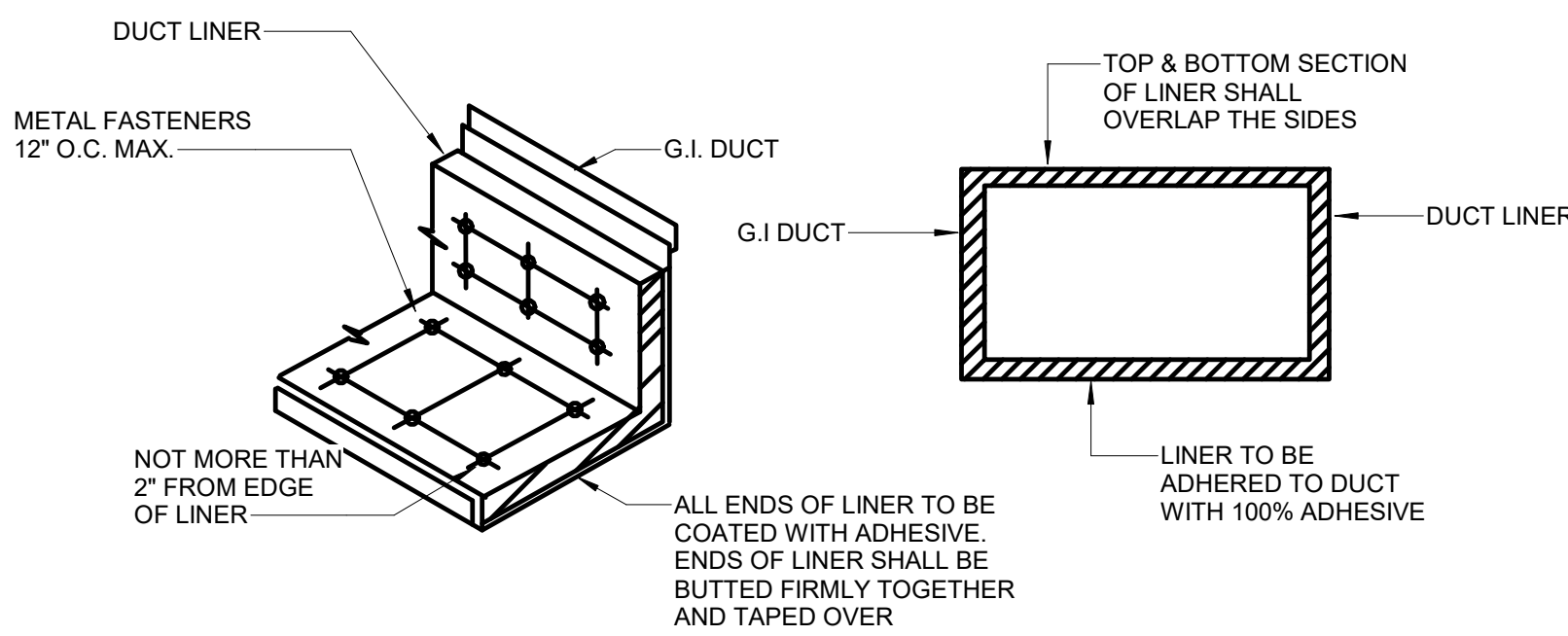
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FLEX DUCT TAKE-OFF FITTING DETAIL

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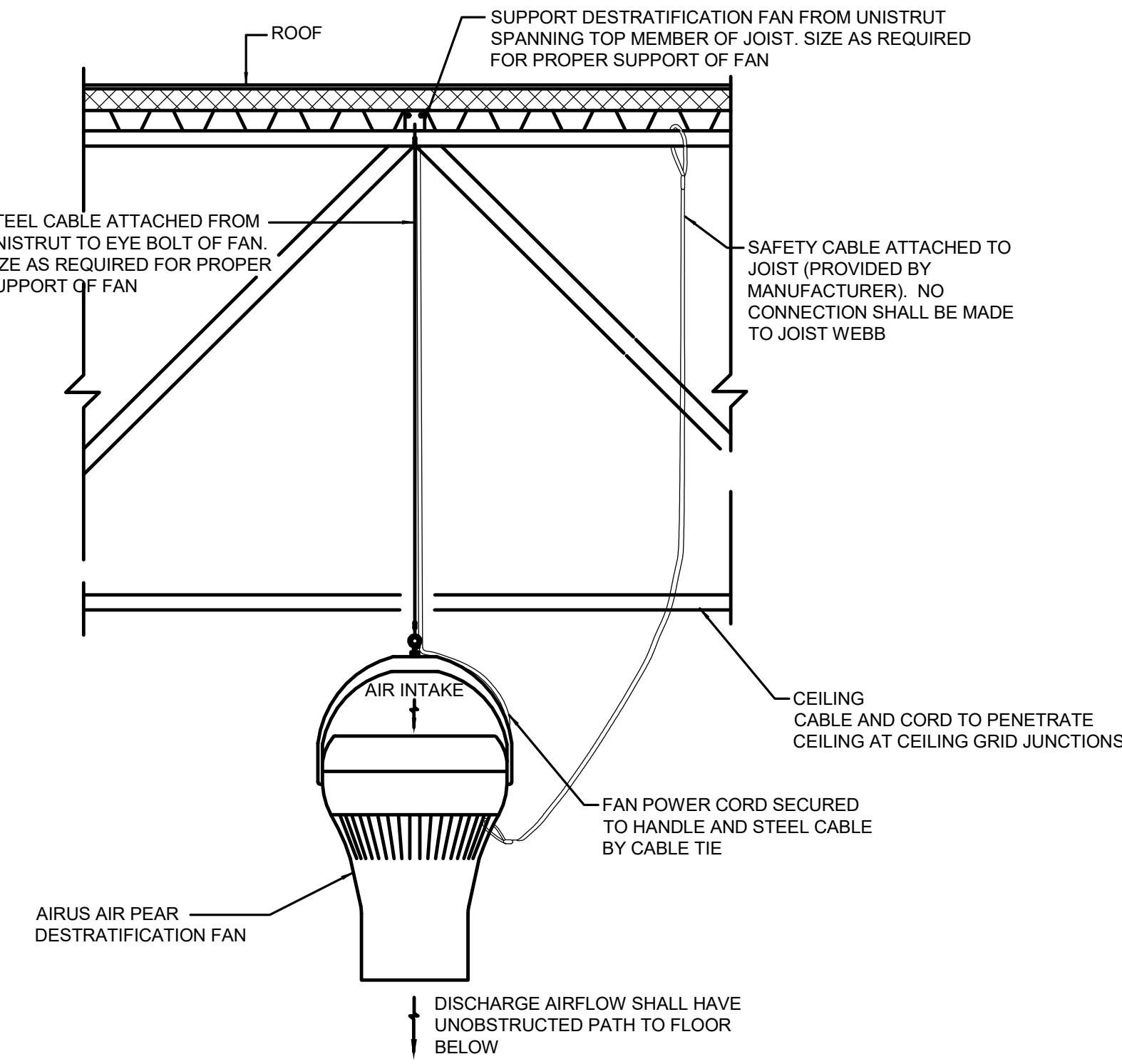


DUCT LINER DETAIL

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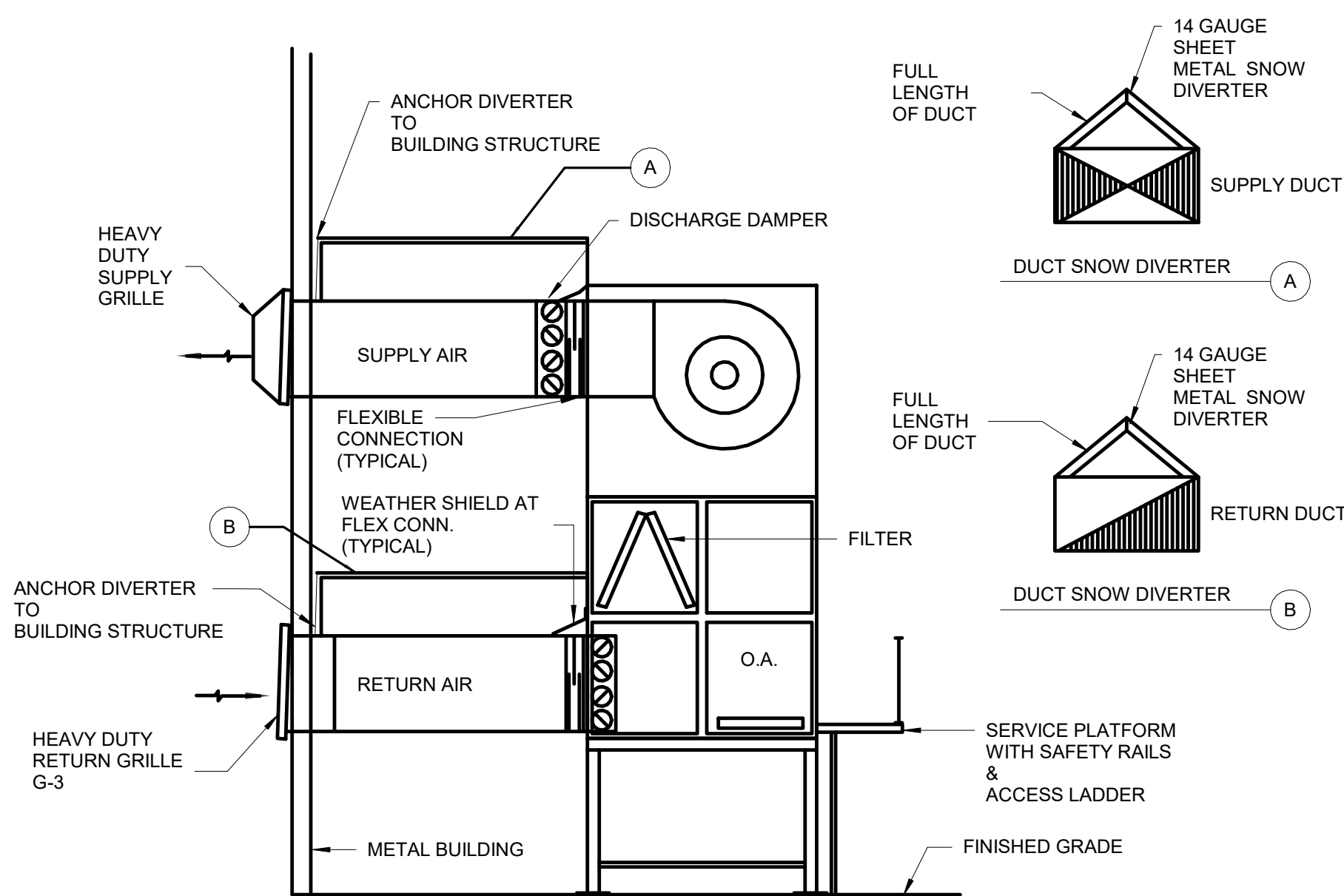
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DESTRATIFICATION FAN DETAIL

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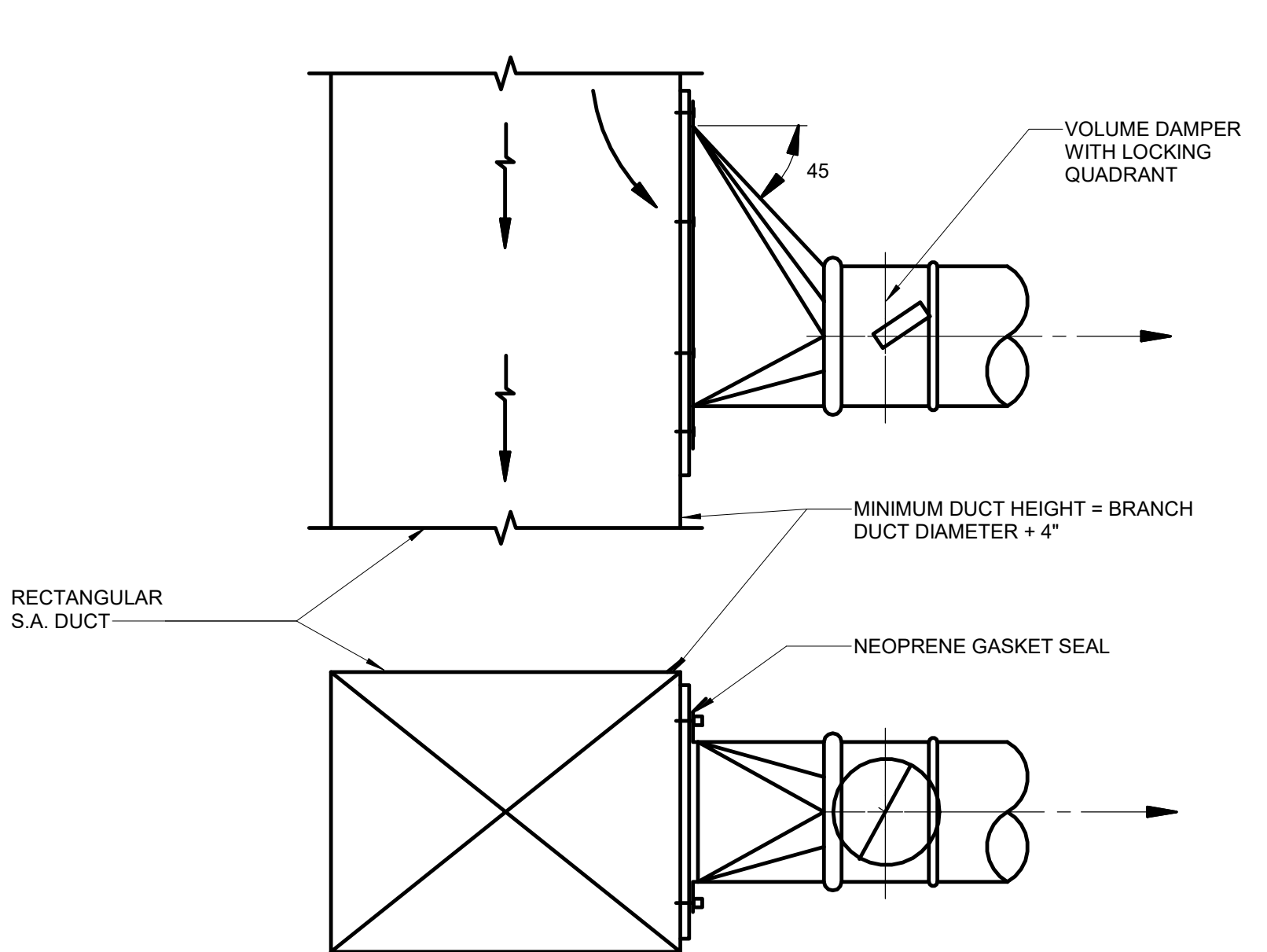
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M602



AIR TURNOVER UNIT ATU-1 DETAIL

SCALE: NTS

6  
M602



45 DEG. HIGH EFFICIENCY TAKE-OFF

SCALE: NTS

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M602



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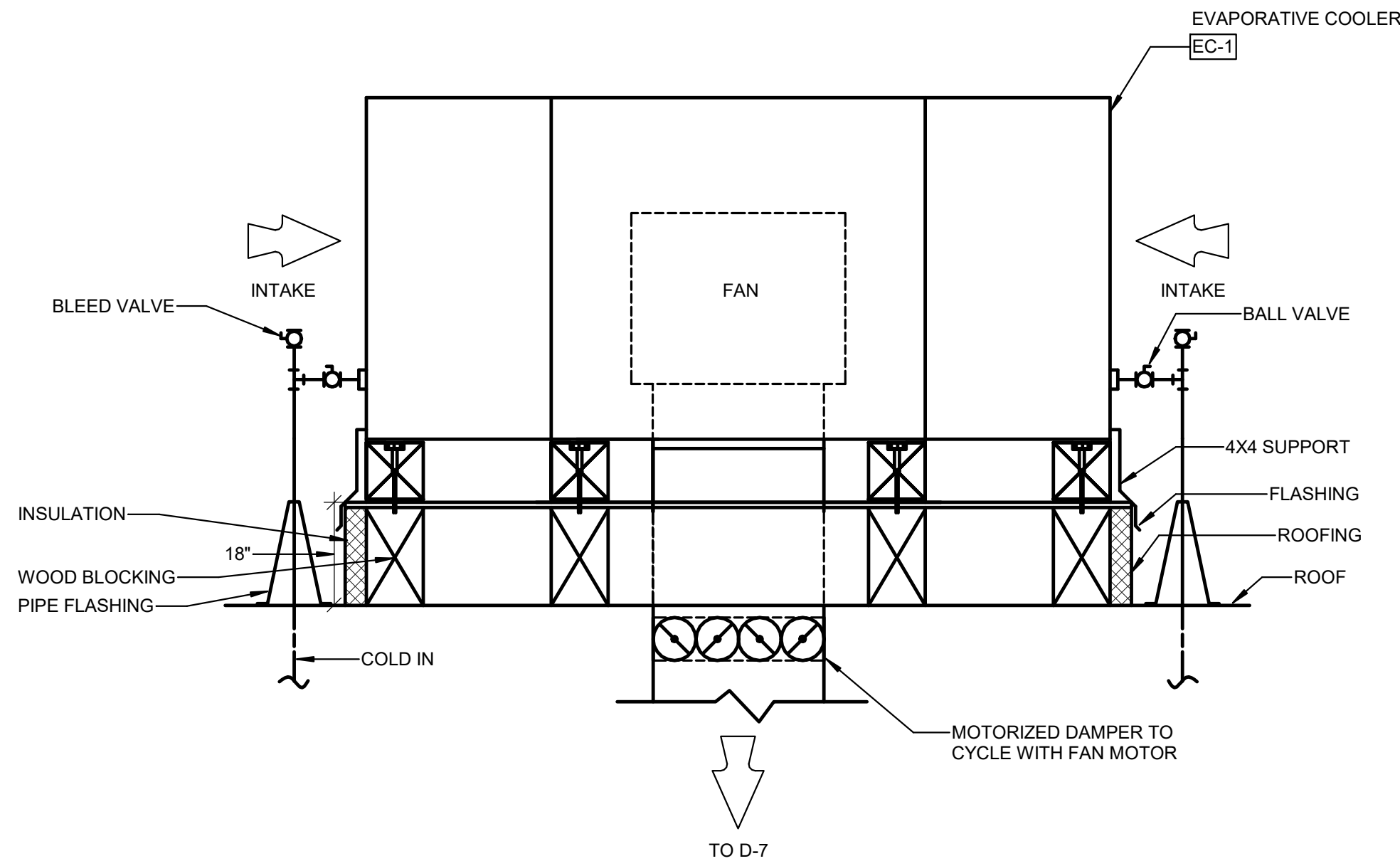
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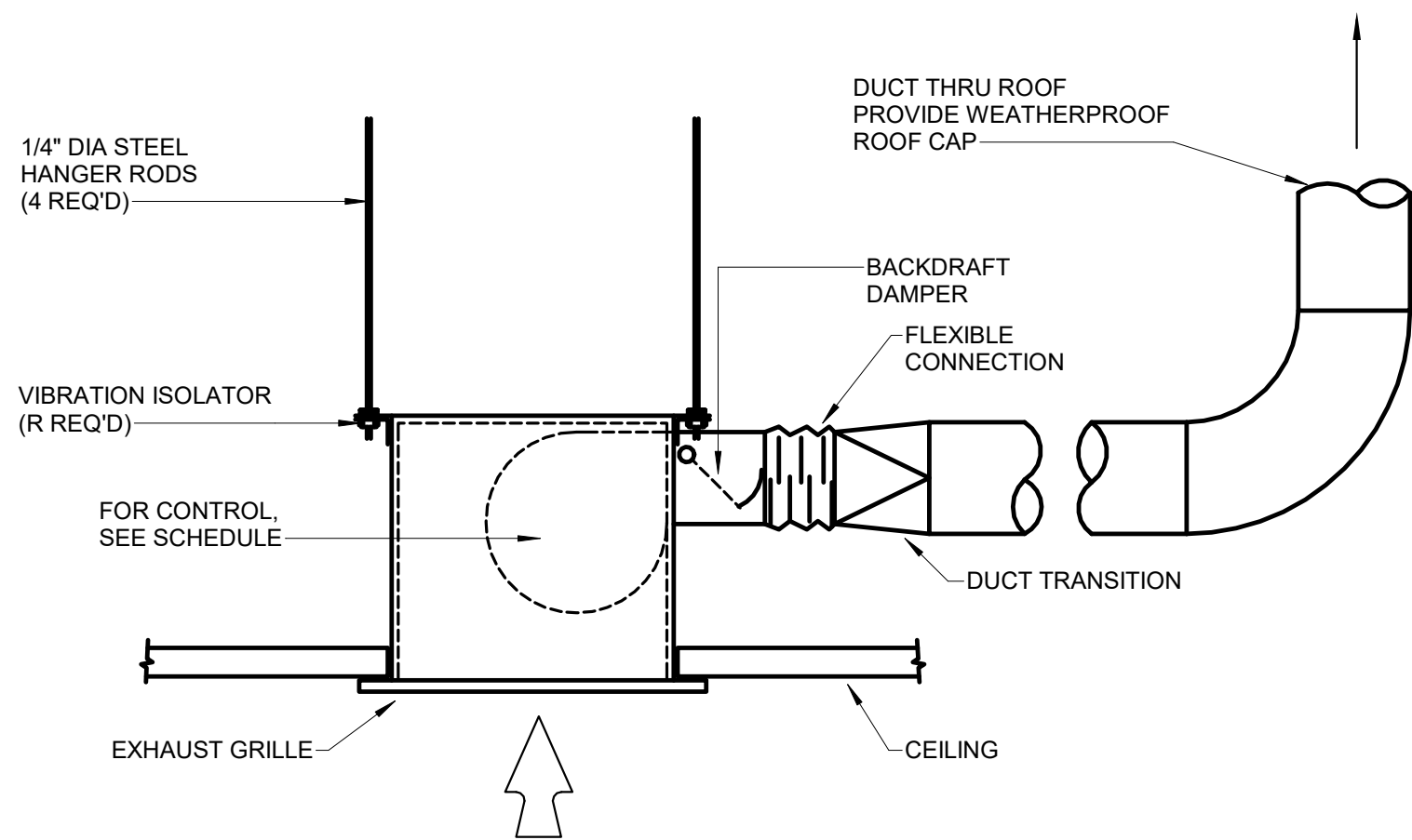
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EVAPORATIVE COOLER DETAIL

SCALE: NTS

1  
M603



CEILING EXHAUST FAN DETAIL

SCALE: NTS

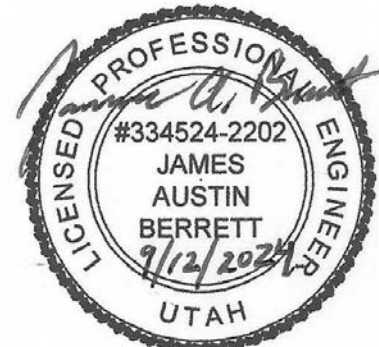
2  
M603



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
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PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

△ DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

Mechanical  
Details

SHEET NUMBER

M603







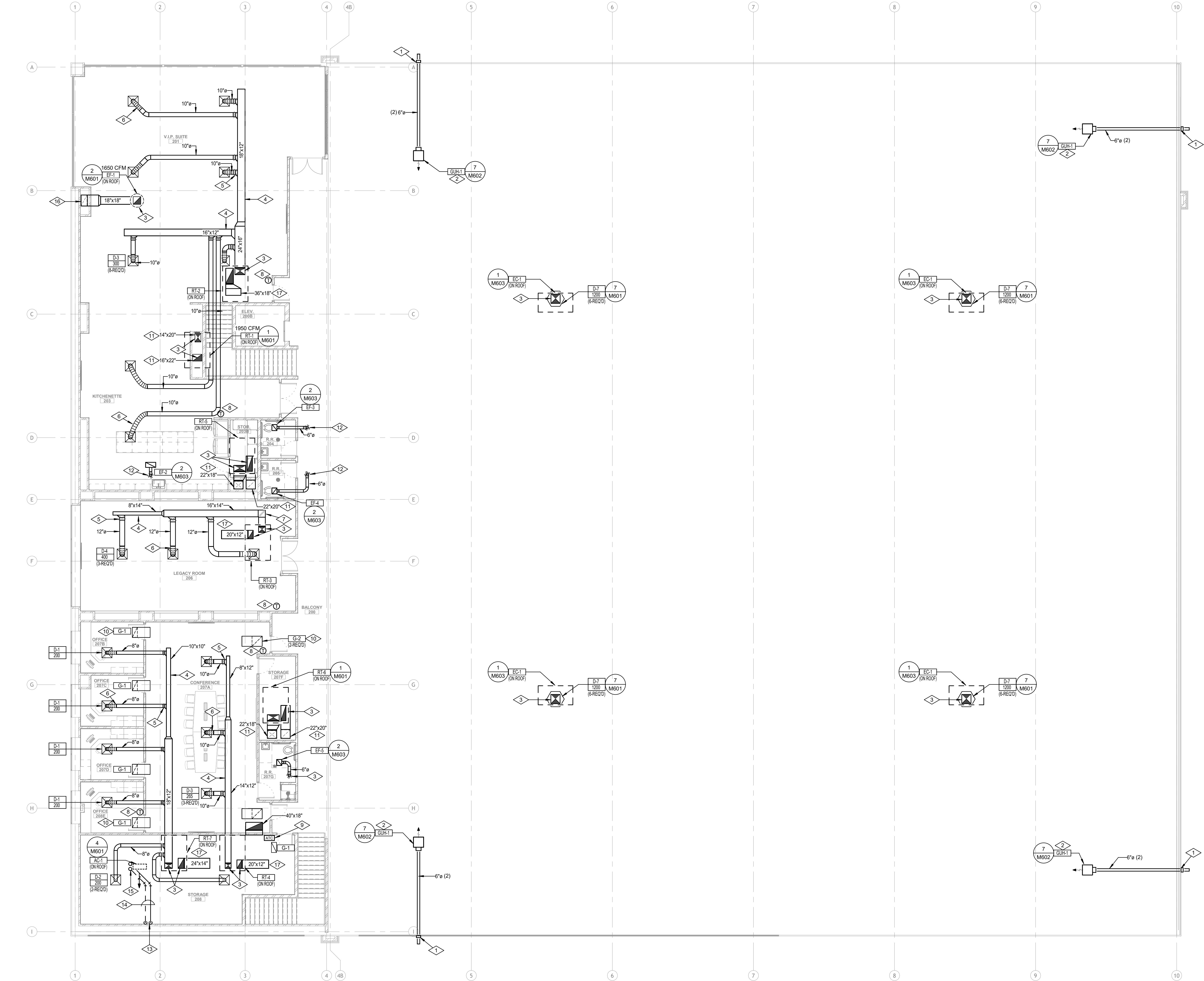
A

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LEVEL 2 ALTERNATE - OVERALL MECHANICAL PLAN

0 4' 0" 8' 0" 16' 0"  
SCALE: 1/8" = 1'-0"

REFERENCE NOTES

- 1 COMBUSTION AIR AND EXHAUST FLUES TO CONCENTRIC SIDEWALL KIT, INSTALL AS PER MANUFACTURERS INSTRUCTIONS.
- 2 GUH-1 MOUNTED AS PER MANUFACTURER'S INSTRUCTIONS. FIELD COORDINATE EXACT MOUNTING HEIGHT WITH G.C.
- 3 DUCT THRU ROOF. COORDINATE WITH STRUCTURE.
- 4 DUCT TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
- 5 HET FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
- 6 FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0".
- 7 TURNING VANES. (TYPICAL)
- 8 WALL MOUNTED HEATING COOLING THERMOSTAT. (TYPICAL) MOUNT AT 4'-0" AFF.
- 9 ATC PANEL. 120/160 POWER REQUIRED.
- 10 SOUND BOOT AT GRILLE. (TYPICAL) SEE DETAIL S/M601.
- 11 DUCT DOWN TO BELOW. SEE M601. COORDINATE WITH STRUCTURE.
- 12 EXHAUST DUCT THRU ROOF. MAINTAIN 10'-0" FROM ALL O.A. INTAKES. SEE DETAIL S/M601.
- 13 REFRIGERANT LINE UP FROM BELOW. SEE M601.
- 14 RUN TIGHT BELOW ROOF DECK.
- 15 REFRIGERANT LINES UP THRU ROOF TO AC-1 OUTDOOR UNIT.
- 16 DUCT UP FROM BELOW. SEE M601.
- 17 LINED RETURN AIR DUCT.



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BID SET

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SHEET TITLE

Level 2  
Alternate  
Mechanical  
Plan

SHEET NUMBER

M902



1  
A

2

3

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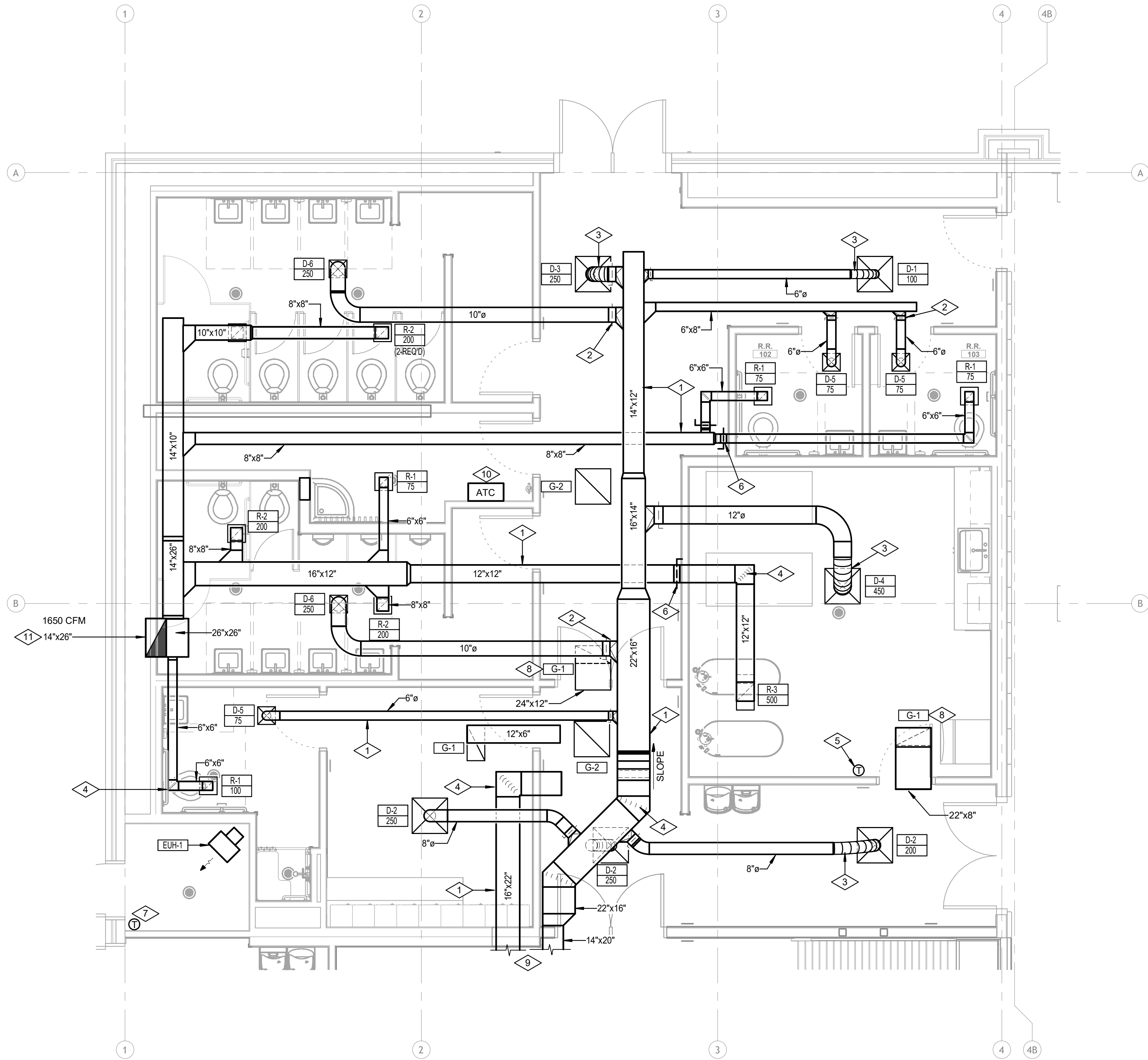
6

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10



1 LEVEL 1 ALTERNATE - ENLARGED MECHANICAL PLAN

REFERENCE NOTES

- DUCT TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
- H.E.T. FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
- FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0"
- TURNING VANES. (TYPICAL)
- WALL MOUNTED HEATING & COOLING THERMOSTAT (TYPICAL) MOUNT AT 48" AFF.
- MANUAL BALANCING DAMPER. (TYPICAL)
- WALL MOUNTED HEATING THERMOSTAT.
- SOUND BOOT AT GRILLE. (TYPICAL) SEE DETAIL 5/M601.
- SEE SHEET M901 FOR CONTINUATION.
- ATC PANEL. 120/1/60 POWER REQUIRED.
- DUCT UP TO ABOVE. SEE SHEET M902.



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DRAWING SET STATUS

BID SET

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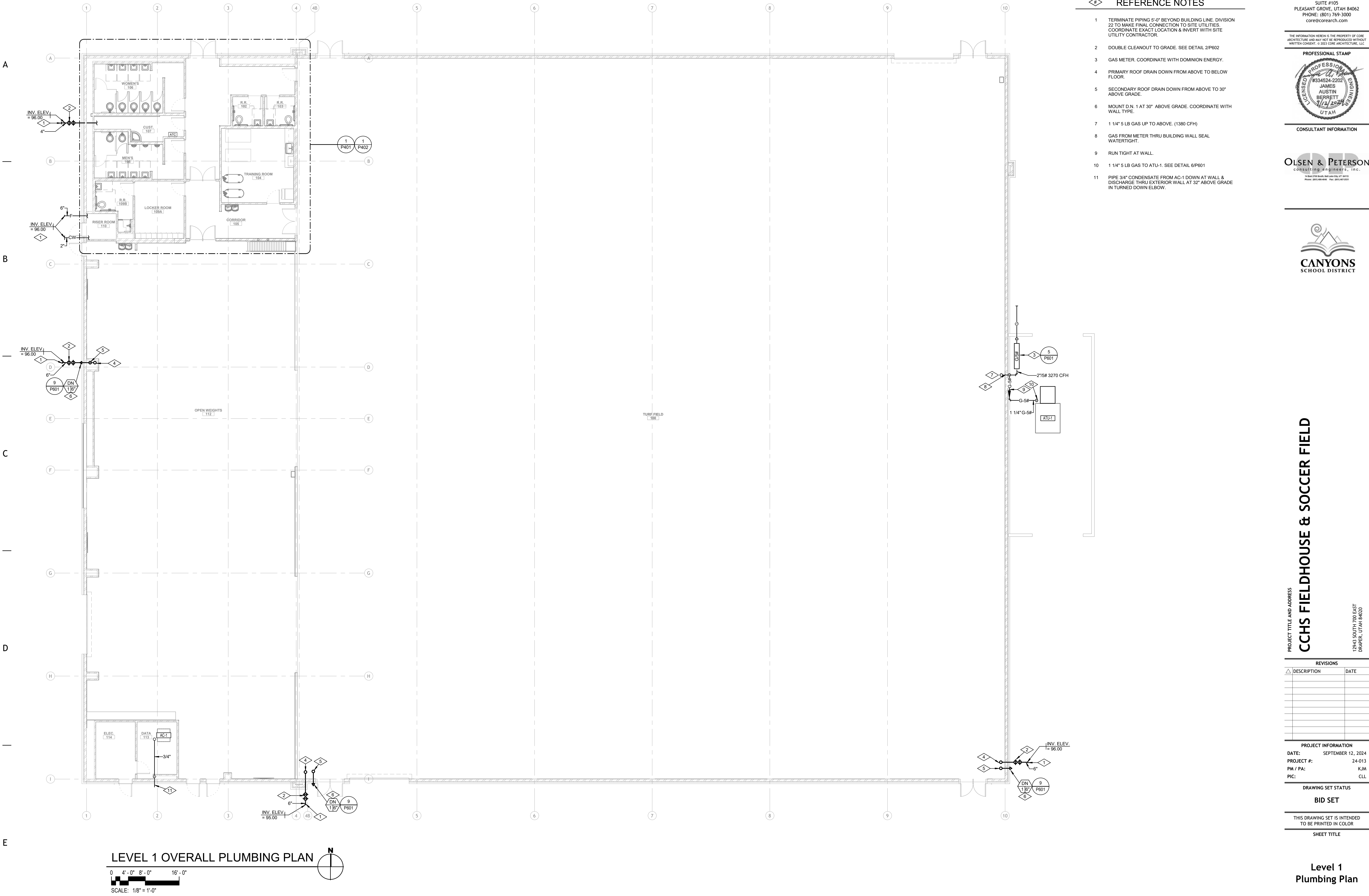
SHEET TITLE

Level 1  
Alternate  
Enlarged  
Mechanical  
Plan

SHEET NUMBER

M1001





REFERENCE NOTES

1

TERMINATE PIPING 5'-0" BEYOND BUILDING LINE, DIVISION 22 TO MAKE FINAL CONNECTION TO SITE UTILITIES. COORDINATE EXACT LOCATION & INVERT WITH SITE UTILITY CONTRACTOR.

2

DOUBLE CLEANOUT TO GRADE. SEE DETAIL 2/P602

3

GAS METER. COORDINATE WITH DOMINION ENERGY.

4

PRIMARY ROOF DRAIN DOWN FROM ABOVE TO BELOW FLOOR.

5

SECONDARY ROOF DRAIN DOWN FROM ABOVE TO 30" ABOVE GRADE.

6

MOUNT D.N. 1 AT 30" ABOVE GRADE. COORDINATE WITH WALL TYPE.

7

1 1/4" 5 LB GAS UP TO ABOVE. (1380 CFH)

8

GAS FROM METER THRU BUILDING WALL SEAL WATERTIGHT.

9

RUN TIGHT AT WALL.

10

1 1/4" 5 LB GAS TO ATU-1. SEE DETAIL 6/P601

11

PIPE 3/4" CONDENSATE FROM AC-1 DOWN AT WALL & DISCHARGE THRU EXTERIOR WALL AT 32" ABOVE GRADE IN TURNED DOWN ELBOW.

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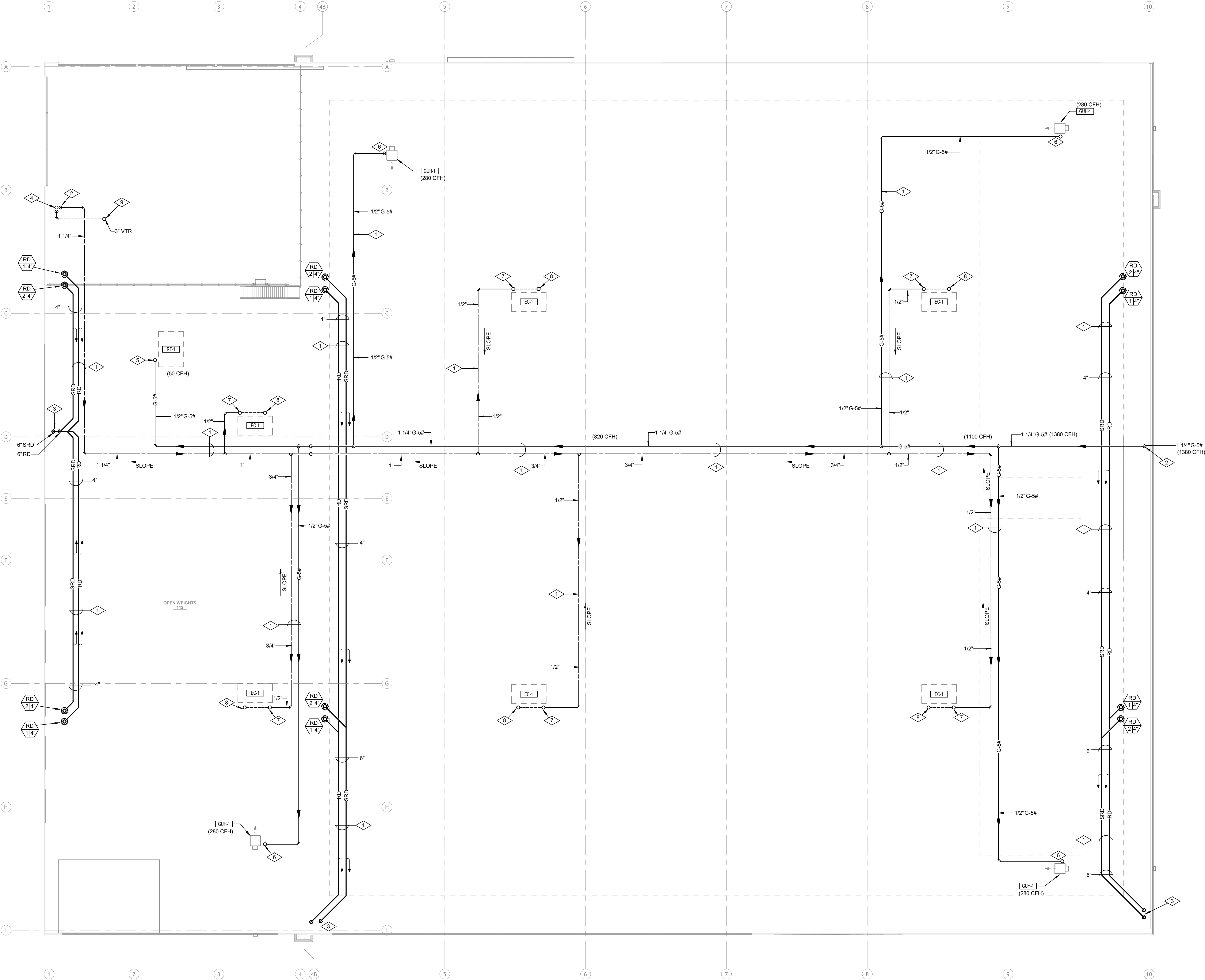
A

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E



LEVEL 2 OVERALL PLUMBING PLAN

0 4'-0\" 8'-0\" 16'-0\"  
SCALE: 1/8\" = 1'-0\"

REFERENCE NOTES

- 1 PIPING TO RUN HIGH & TIGHT AT STRUCTURE. COORDINATE WITH STRUCTURE & ALL TRADES.
- 2 PIPING UP FROM BELOW.
- 3 PIPING DOWN TO BELOW.
- 4 FIRE LINE UP FROM BELOW. SEE DETAIL 6/P601
- 5 GAS UP THRU ROOF TO EQUIPMENT. COORDINATE LOCATION WITH EQUIPMENT PROVIDED. SEE DETAIL 7/P601
- 6 GAS TO UNIT HEATER. SEE DETAIL 6/P601
- 7 WATER UP THRU ROOF TO EC-1. COORDINATE LOCATION WITH UNIT PROVIDED. SEE DETAILS 7/P602, 1/M603.
- 8 WATER RUNS ON ROOF TO EC-1 WATER CONNECTIONS. COORDINATE WITH UNIT PROVIDED. PROVIDE DRAIN VALVE & SUPPORT PIPING.
- 9 VENT THRU ROOF. (VTR) SEE DETAIL 4/P602.



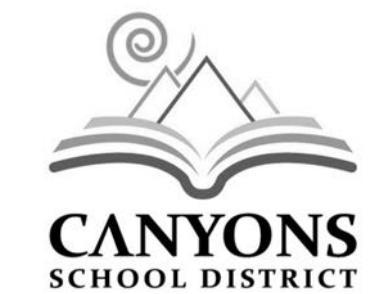
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PROJECT INFORMATION

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DRAWING SET STATUS

BID SET

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SHEET TITLE

Level 2  
Plumbing Plan

SHEET NUMBER

P102



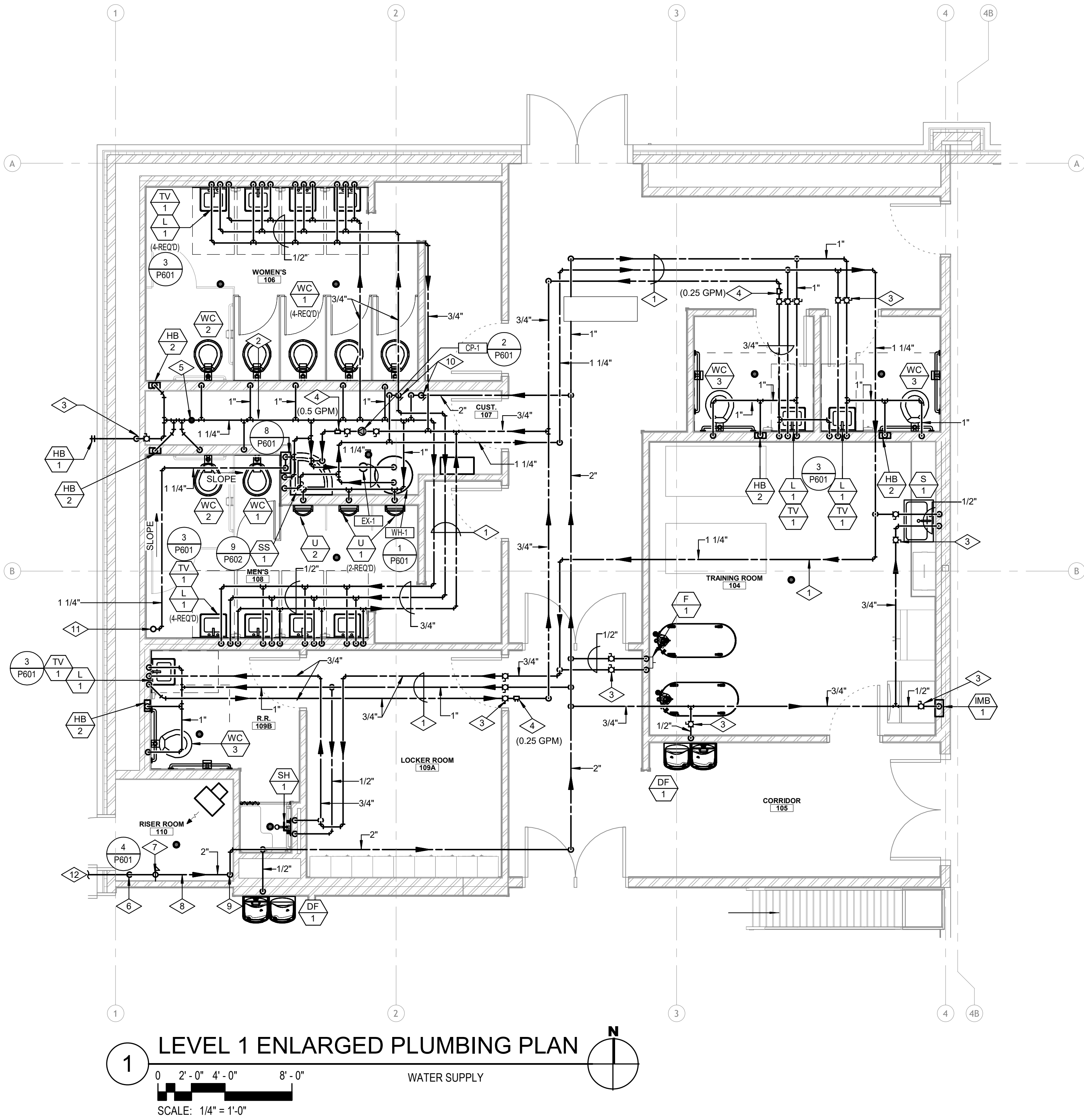
A

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REFERENCE NOTES

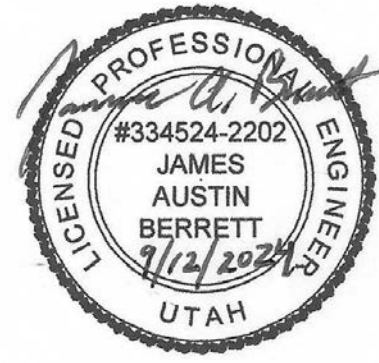
- 1 PIPING TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
- 2 PIPE TO BE AT 72" MINIMUM HEIGHT IN CHASE.
- 3 LINE SIZE BALL VALVE. (TYPICAL) VALVE MUST BE ACCESSIBLE.
- 4 CIRCUIT SETTER IN HOT RE-CIRCULATING LINE. BALANCE TO GPM SHOWN. CIRCUIT SETTER MUST BE ACCESSIBLE.
- 5 WATER HAMMER ARRESTOR.
- 6 PIPE UP THRU FLOOR TO PRV.
- 7 MAIN WATER PRESSURE REDUCING STATION. COORDINATE WITH FIRE RISER.
- 8 PIPING RUNS EXPOSED.
- 9 RISE UP TO RUN HIGH.
- 10 BALL VALVES AT 72" FOR TOILET ROOMS.
- 11 1 1/4" WATER UP TO ABOVE.
- 12 SEE P101 FOR CONTINUATION.



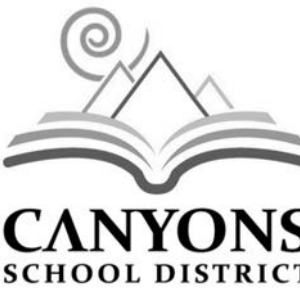
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DRAWING SET STATUS

BID SET

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SHEET TITLE

Level 1  
Enlarged  
Plumbing Plan

SHEET NUMBER

P401



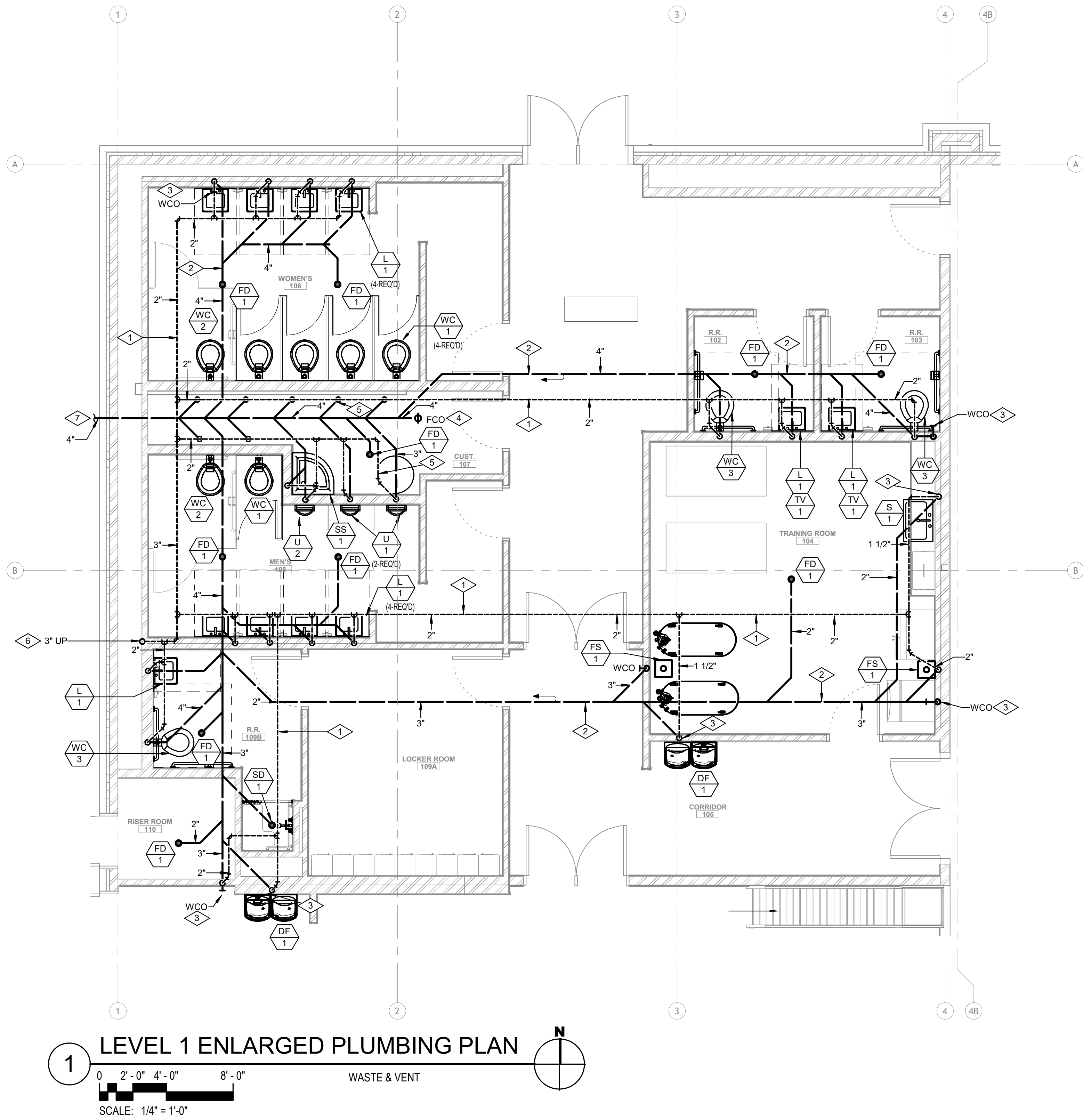
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1 LEVEL 1 ENLARGED PLUMBING PLAN  
WASTE & VENT  
SCALE: 1/4" = 1'-0"

REFERENCE NOTES

- 1 PIPING TO RUN ABOVE CEILING (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
- 2 PIPING TO RUN BELOW FLOOR. (TYPICAL)
- 3 WALLCLEANOUT (WCO) SEE DETAIL 3/P602.
- 4 FLOOR CLEANOUT (FCO) SEE DETAIL 10/P601.
- 5 PIPING IN CHASE TO BE 72" MINIMUM HEIGHT.
- 6 VENT UP TO ABOVE.
- 7 SEE SHEET P101 FOR CONTINUATION.



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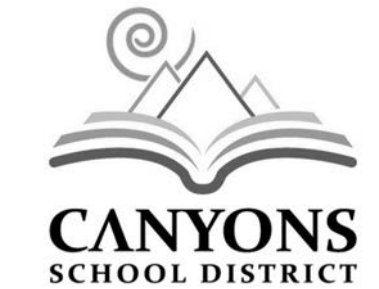
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REVISIONS

DESCRIPTION	DATE

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DRAWING SET STATUS

BID SET

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SHEET TITLE

Level 1  
Enlarged  
Waste & Vent  
Plan

SHEET NUMBER

P402



A

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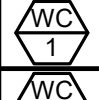

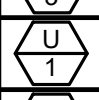
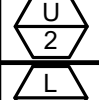






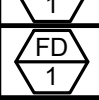


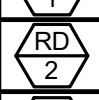

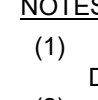
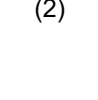



PLUMBING EQUIPMENT SCHEDULE

- WH-1

WATER HEATER, ELECTRIC, PACKAGED TYPE, 74 GALLONS PER HOUR RECOVERY THRU 100°F TEMP. RISE. HEATER SHALL BE 50 GALLON, FACTORY INSULATED HOT WATER STORAGE TANK WITH ASME RATED GLASS LINED TANK, COMPLETE WITH P & T RELIEF VALVE, FACTORY WIRED AND TESTED. UPPER AND LOWER LIMIT OPERATING THERMOSTATS, COMBINATION HIGH AND LOW PRESSURE SAFETY CONTROLS, AND ALL CONTROLS FOR AUTOMATIC OPERATION. SET AT 120°F. POWER: 480/3/60, 2 ELEMENTS AT 4500 WATTS EACH. TOTAL FLA @ 480/3/60 = 16.2 A. DIMENSIONS: 47-1/2"H x 22" DIA. WEIGHT: 140 LBS. MANUFACTURER: BRADFORD WHITE. MODEL: E32-50S-3
- CR-1

PUMP: IN-LINE RECIRCULATING, 120 DEG. F. WATER, 2.0 GPM AT 15 FT. HEAD, 1/8 H.P., 120/1/60, 1750 RPM, 3/4" CONNECTIONS. ALL BRONZE CONSTRUCTION. MANUFACTURER: BELL & GOSSETT. SERIES PR
- EX-1

EXPANSION TANK, BLADDER TYPE, DOMESTIC 120° HOT WATER, 12.5 GAL. TOTAL VOLUME, 10.0 GALLONS ACCEPTANCE VOLUME. FACTORY AIR CHARGE 55 PSI, 16-1/4" DIA. x 17-1/4" HIGH. COMPLETE WITH STEEL SHELL AND HEAVY DUTY BUTYL DIAPHRAGM. MANUFACTURER: AMTROL. PUMP: AST-30

PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	TEMP. W.	NOTES (1)
	WATER CLOSET	4"	2"	1"	--	--	WALL MOUNTED - FLUSH VALVE
	WATER CLOSET	4"	2"	1"	--	--	WALL MOUNTED - FLUSH VALVE (ADA)
	WATER CLOSET	4"	2"	1"	--	--	FLOOR MOUNTED - SENSOR FLUSH (ADA)
	URINAL	3"	2"	1"	--	--	WALL MOUNTED - SENSOR FLUSH
	URINAL	3"	2"	1"	--	--	WALL MOUNTED - SENSOR FLUSH (ADA)
	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	WALL MOUNTED - (ADA) W/ASSE TV-1
	SINK	1-1/2"	1-1/2"	1/2"	1/2"	--	COUNTER MOUNTED
	SHOWER	--	--	1/2"	1/2"	--	WALL MOUNTED W/ SLIDE BAR (ADA)
	SERVICE SINK	3"	2"	3/4"	3/4"	--	FLOOR MOUNTED
	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1/2"	--	--	WALL MOUNTED - BI-LEVEL WITH BOTTLE FILLER ON LOW SIDE 120/1/60
	HOSE BIBB	--	--	3/4"	--	--	EXTERIOR NON-FREEZE (2)
	HOSE BIBB	--	--	3/4"	--	--	INTERIOR WALL BOX (TOILET ROOMS)
	TEMPERING VALVE	--	--	1/2"	1/2"	1/2"	SINGLE LAV. ASSE 1070 MOUNT UNDER LAVATORY
	ICE MAKER BOX	--	--	1/2"	--	--	SEE DETAIL 8/P602
	FLOOR DRAIN	2"	1-1/2"	--	--	--	W/DEEP SEAL TRAP AND ASSE TRAP GUARD
	SHOWER DRAIN	2"	2"	--	--	--	W/DEEP SEAL TRAP AND ASSE TRAP GUARD
	FLOOR SINK	2"	2"	--	--	--	12"x12" PROVIDE GRATE
	ROOF DRAIN PRIMARY	--	--	--	--	--	SEE PLANS FOR SIZE
	ROOF DRAIN SECONDARY	--	--	--	--	--	SEE PLANS FOR SIZE
	DOWN SPOUT NOZZLE	--	--	--	--	--	SEE PLANS FOR SIZE

- NOTES:
- (1) CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN OR INSTALLATION.
- (2) 12" LENGTH. CENTER BASIN IN BLOCK COURSE.

BRANCH WATER LINE SCHEDULE							
FIXTURE	FIXTURE UNITS	TOTAL QUANTITY OF FIXTURES SERVED BY A GIVEN PIPE SIZE					
		1/2"	3/4"	1"	1 1/4"	1-1/2"	2"
WATER CLOSET	10	--	--	1	2	3	8
URINAL	5	--	--	1	2	3	20
LAVATORY	2	1	3	5	7	15	50
SERVICE SINK	4	--	1	2	3	7	25
DRINKING FOUNTAIN	1	2	6	10	15	30	--
HOSE BIBB	3	--	1	3	5	10	33
WALL HYDRANT	3	--	1	3	5	10	33
TOTAL FIXTURE UNITS SERVED BY PIPE SIZE		2	6	10	15	30	100

NOTE:  
MINIMUM PIPE SIZE TO ANY FIXTURE TO BE 1/2" WHERE PIPE SIZE IS SHOWN ON DRAWINGS. IT SHALL BE FOLLOWED. IN THE EVENT PIPE SIZES ARE NOT SHOWN, THE SIZE OF ANY BRANCH LINE SHALL BE DETERMINED BY USING THIS TABLE. FIND SUM OF TOTAL FIXTURE UNITS ON BRANCH LINE, THEN REDUCE TOTAL BY SUBTRACTING OFF INDIVIDUAL FIXTURE UNITS FOR EACH SUCCESSIVE FIXTURE ALONG THE BRANCH LINE.

PLUMBING PIPING LEGEND

DESCRIPTION	SYMBOL
WASTE (BELOW GRADE)	_____
VENT	-----
COLD WATER	_____
HOT WATER (120 DEG.F.)	_____
HOT WATER RECIRCULATING (120 DEG.F.)	-----
TEMPERED WATER	_____T_____
GAS 4 OUNCE)	_____G_____4oz_____
GAS (5LB)	_____G_____5#_____
DRAIN	_____D_____
PRIMARY ROOF DRAIN	_____RD_____
SECONDARY ROOF DRAIN	_____SRD_____



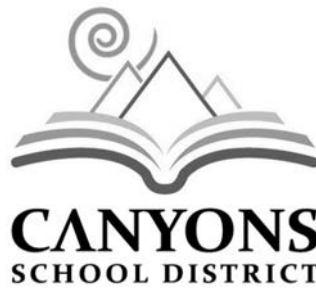
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PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Plumbing  
Schedules

SHEET NUMBER

P501



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2

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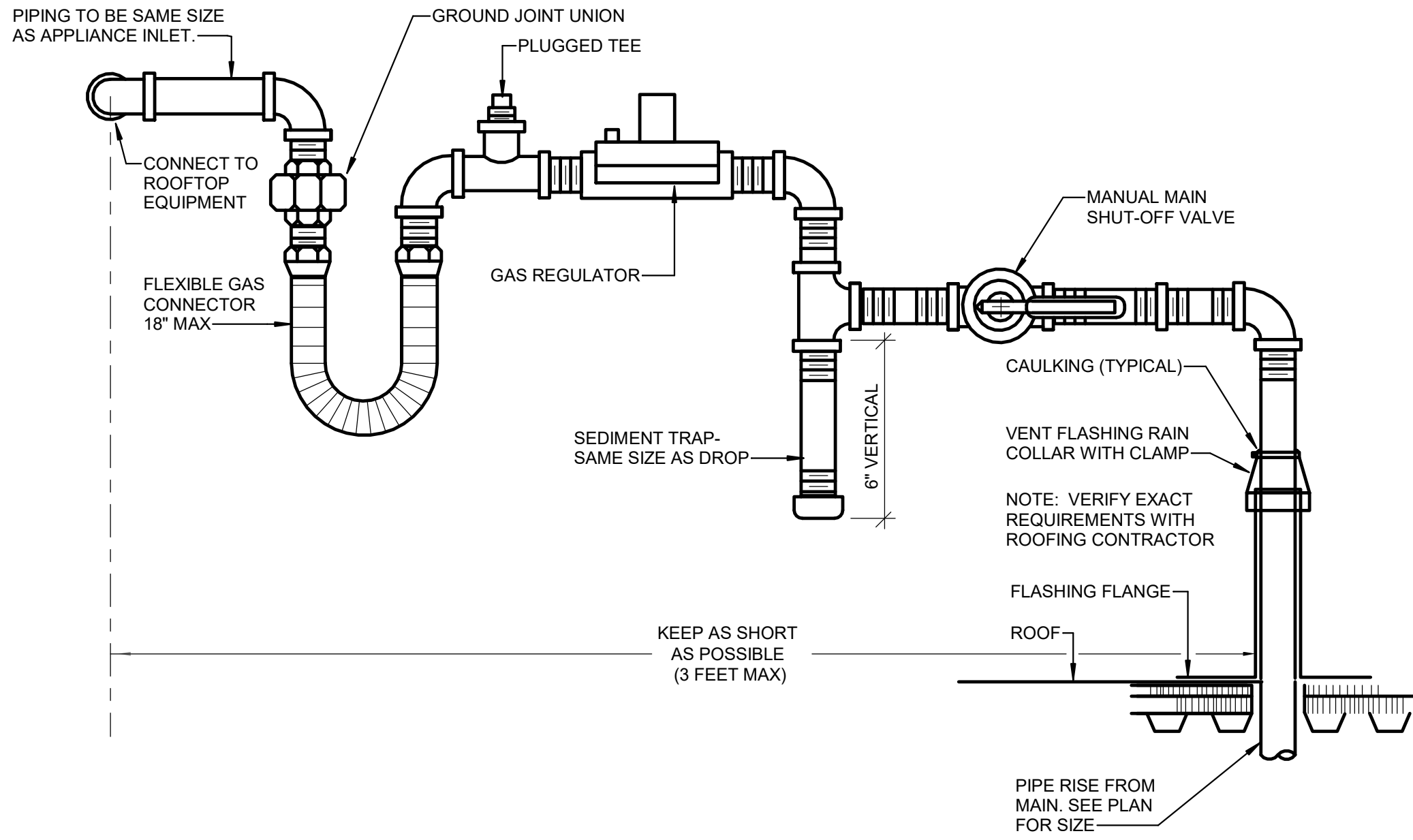
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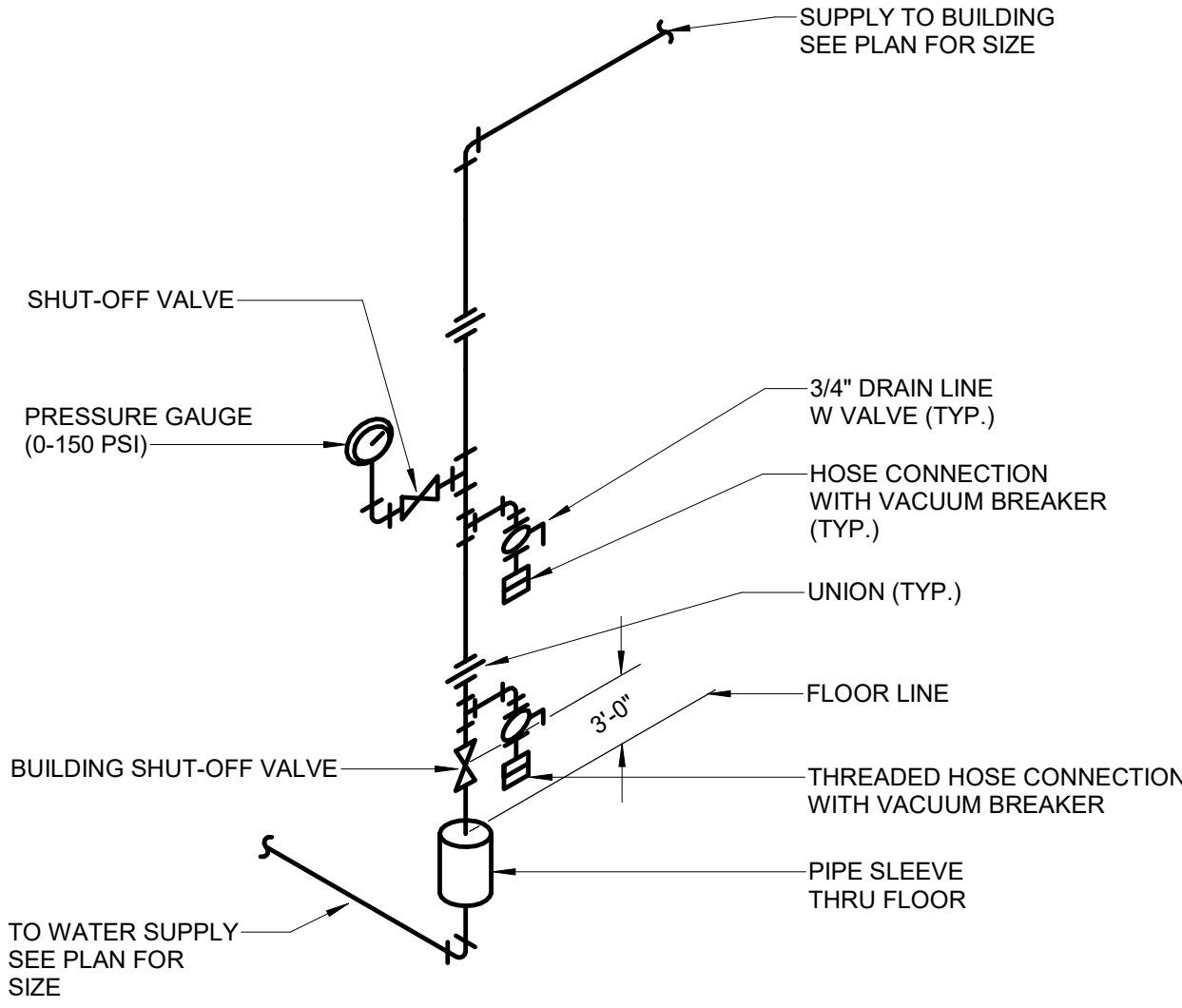


ROOFTOP GAS LINE CONNECTION DETAIL

SCALE: NTS

7  
P601

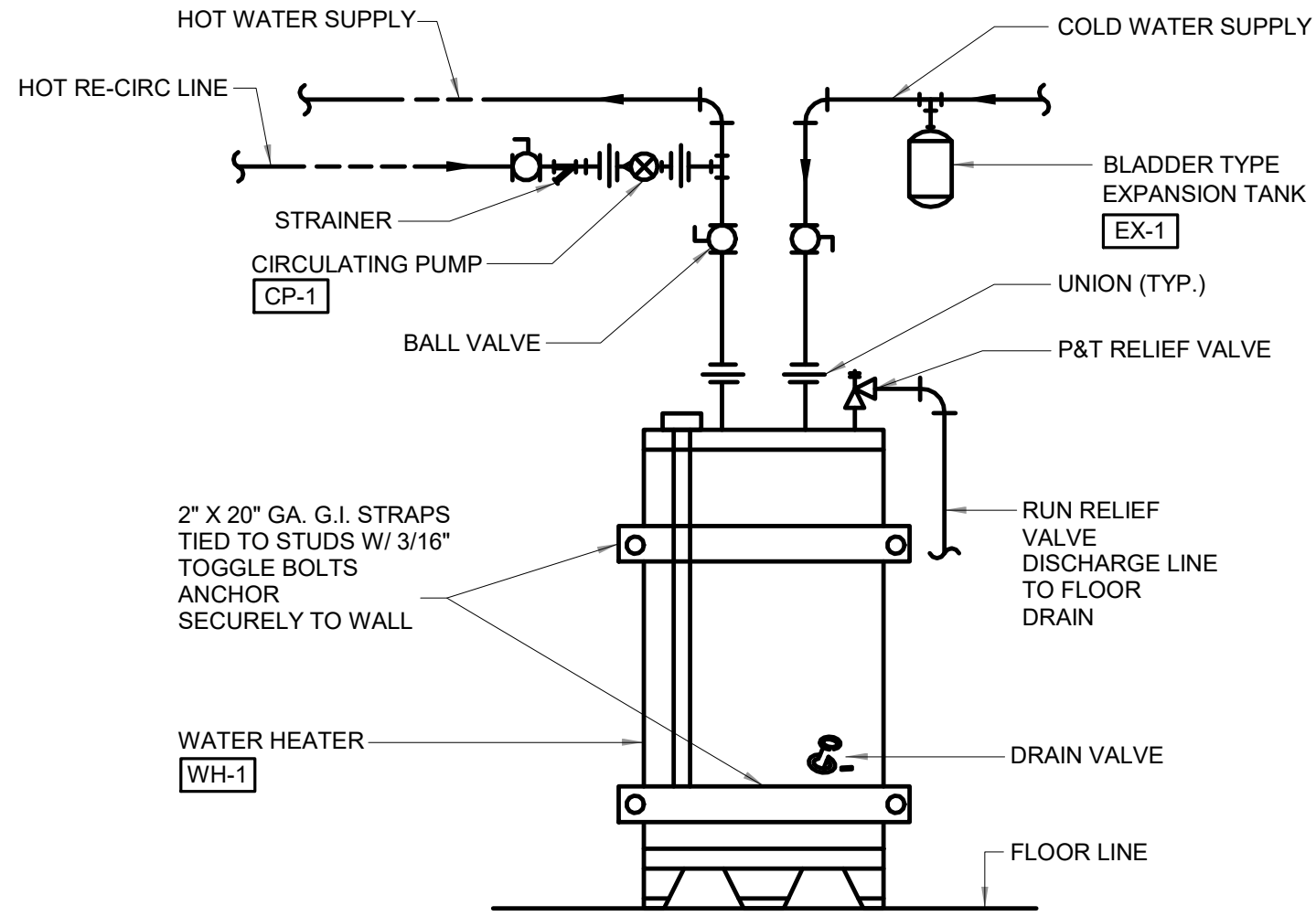
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BUILDING WATER CONTROL VALVE

SCALE: NTS

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P601

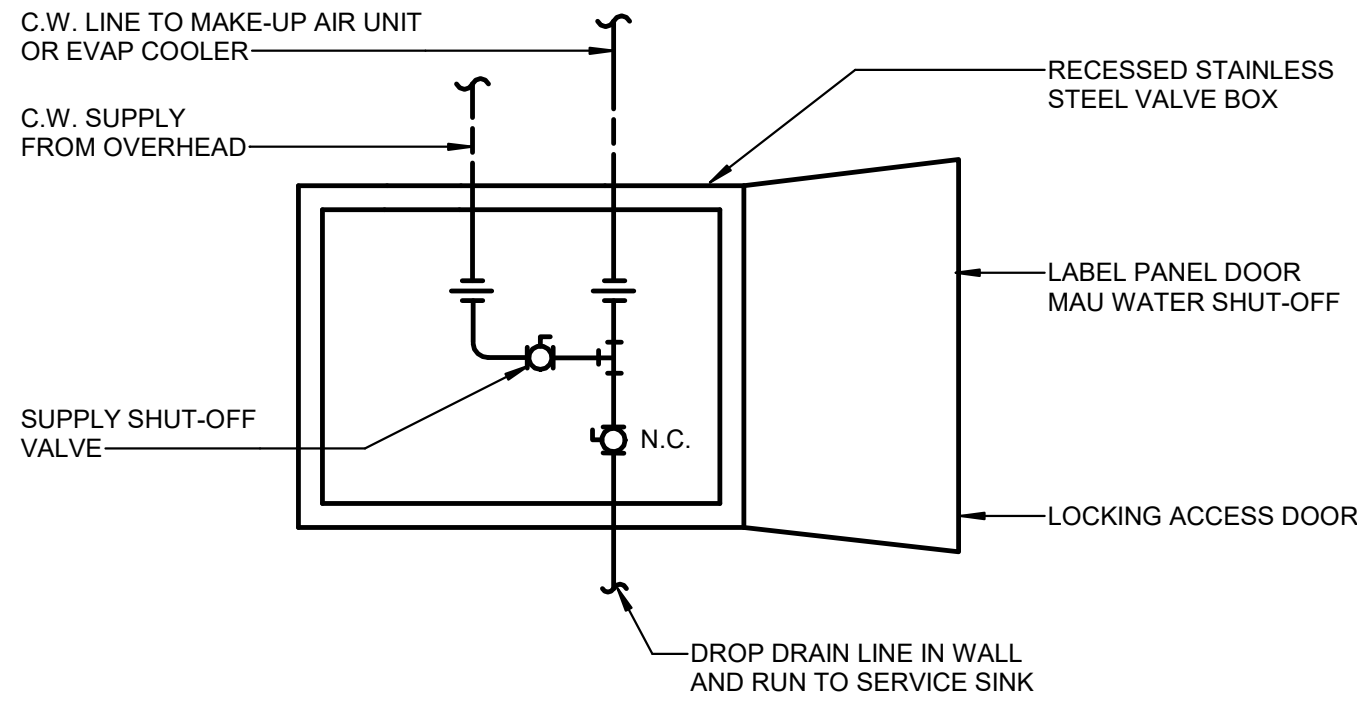


ELECTRIC WATER HEATER PIPING DETAIL

SCALE: NTS

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P601

C

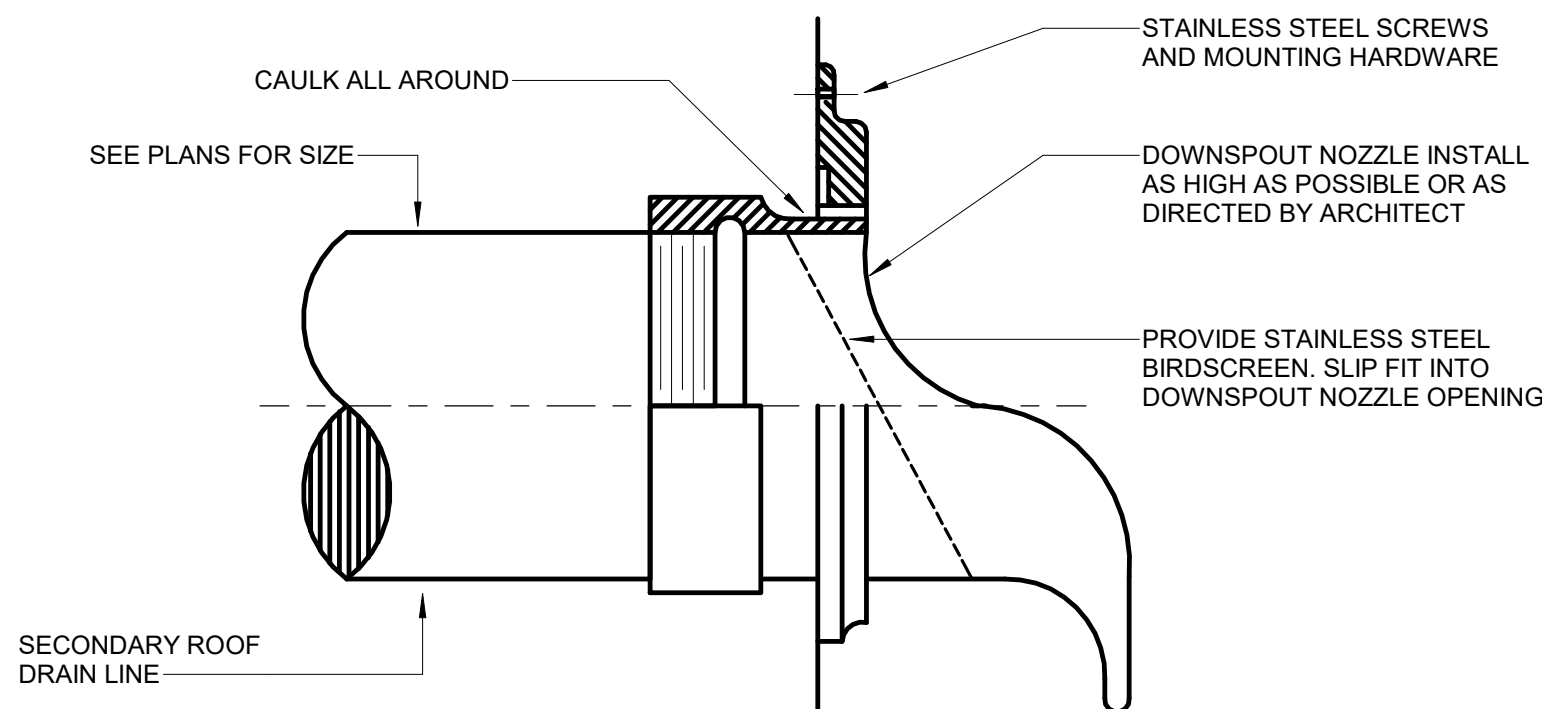


M.A.U. OR EVAP COOLER WATER SUPPLY & DRAIN DETAIL

SCALE: NTS

8  
P601

D

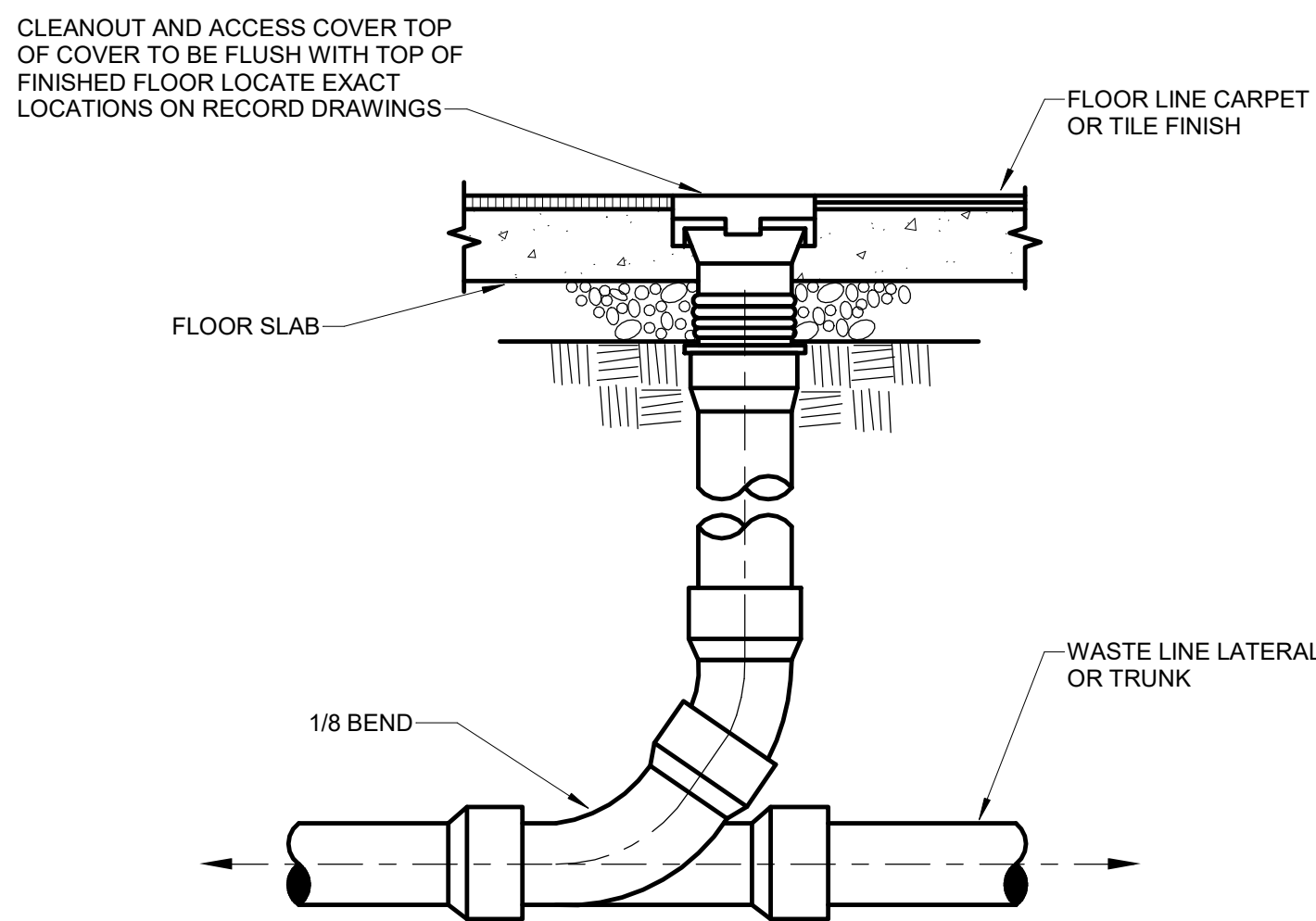


DOWNSPOUT NOZZLE DETAIL

SCALE: NTS

9  
P601

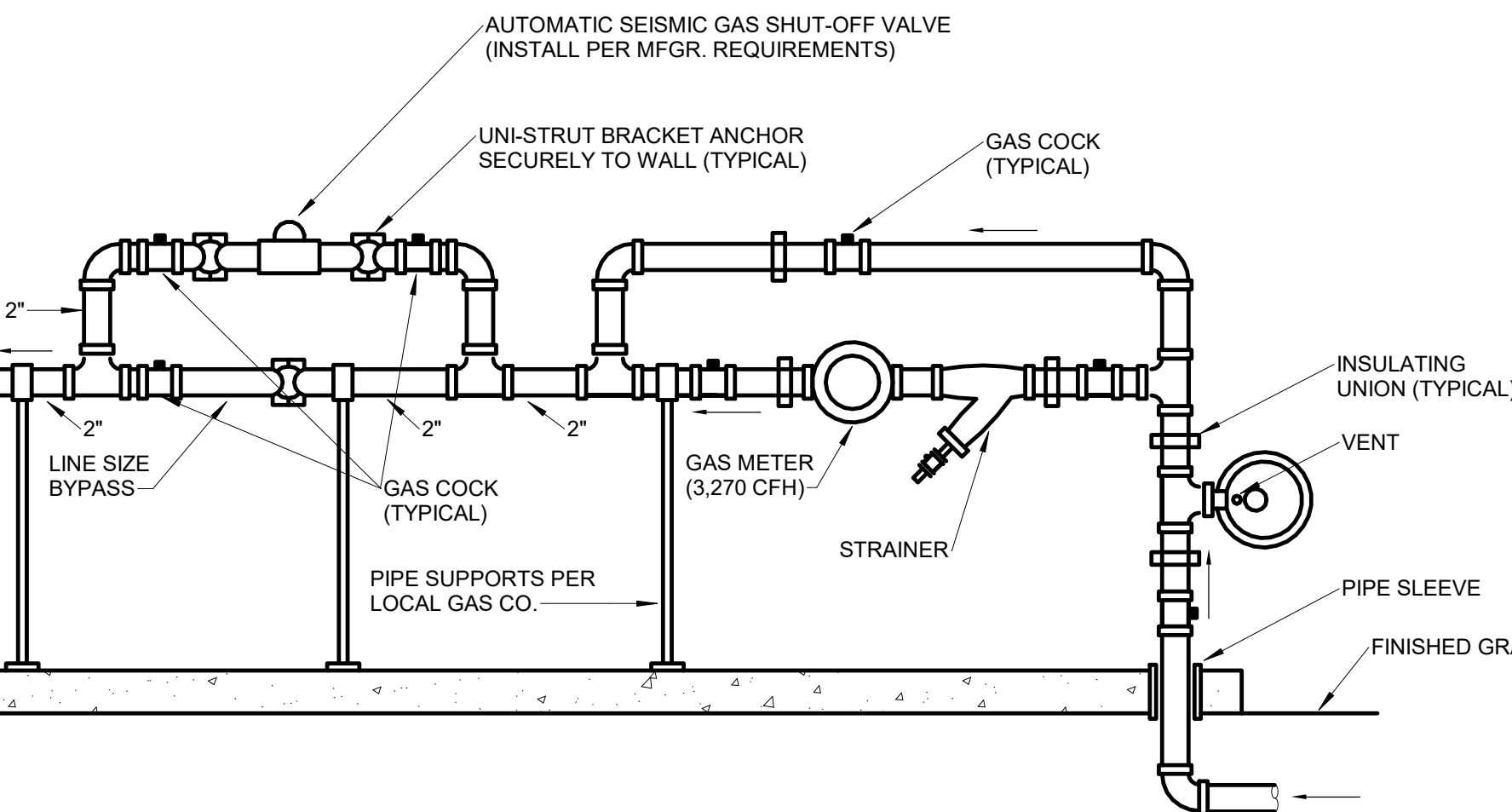
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FLOOR CLEANOUT DETAIL

SCALE: NTS

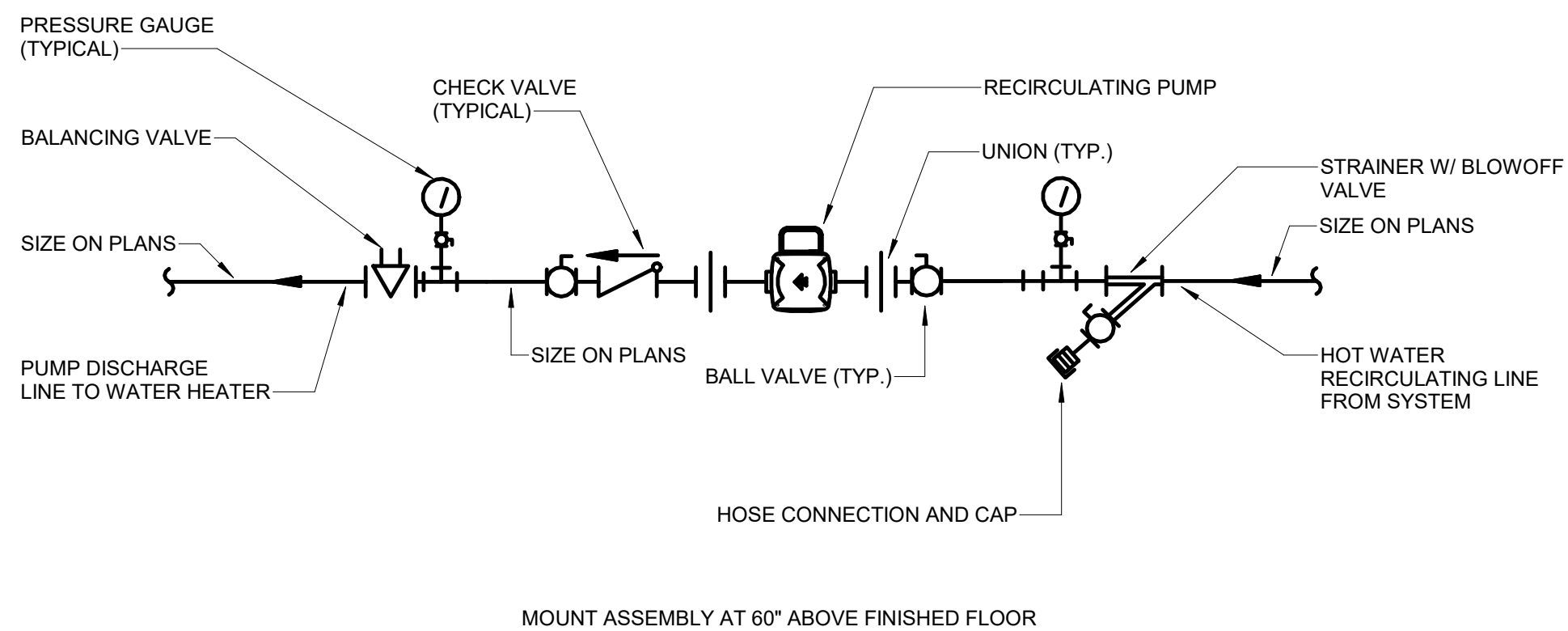
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P601



GAS METER SERVICE CONNECTION DETAIL

SCALE: NTS

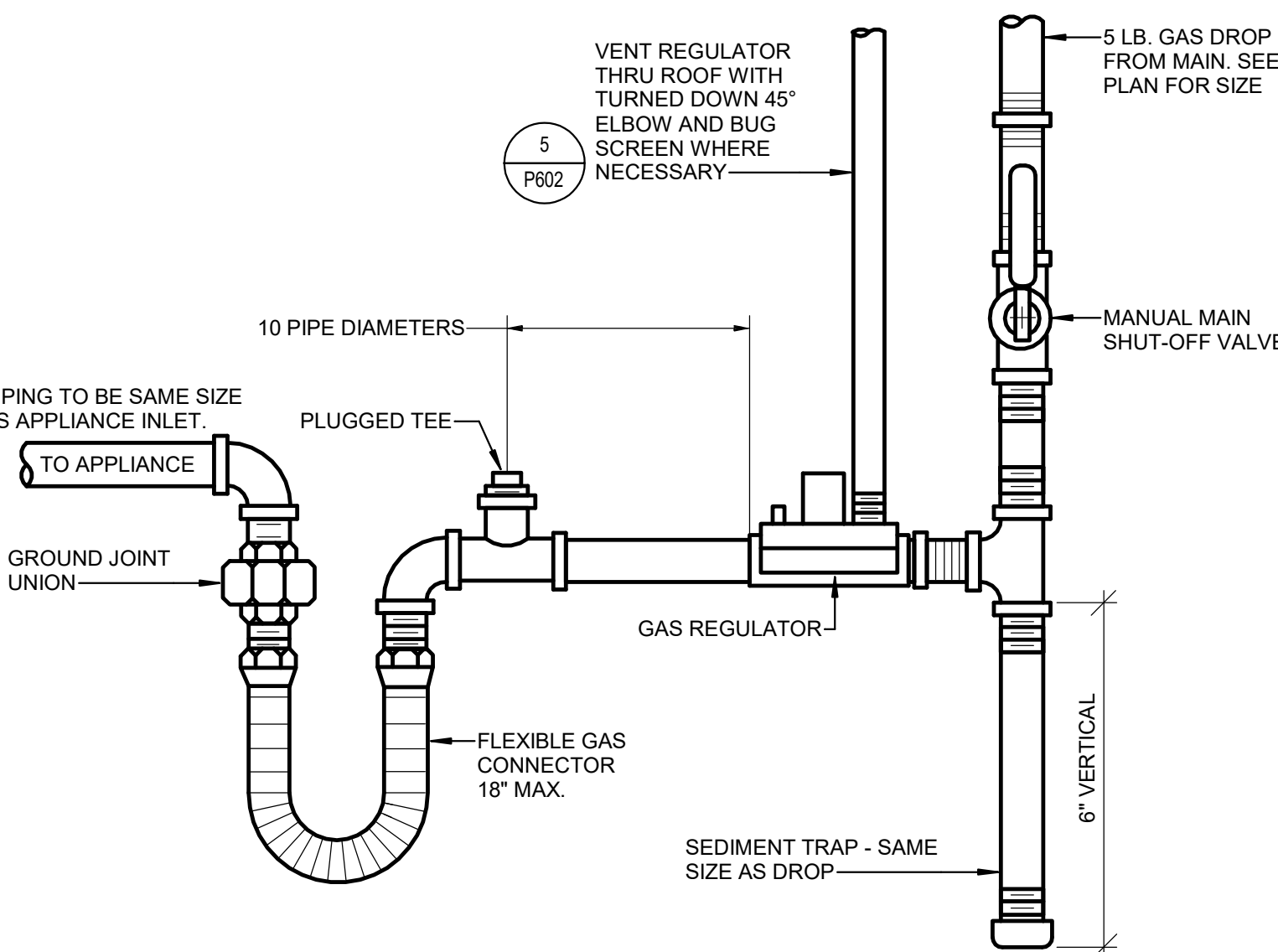
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P601



CIRCULATING PUMP DETAIL

SCALE: NTS

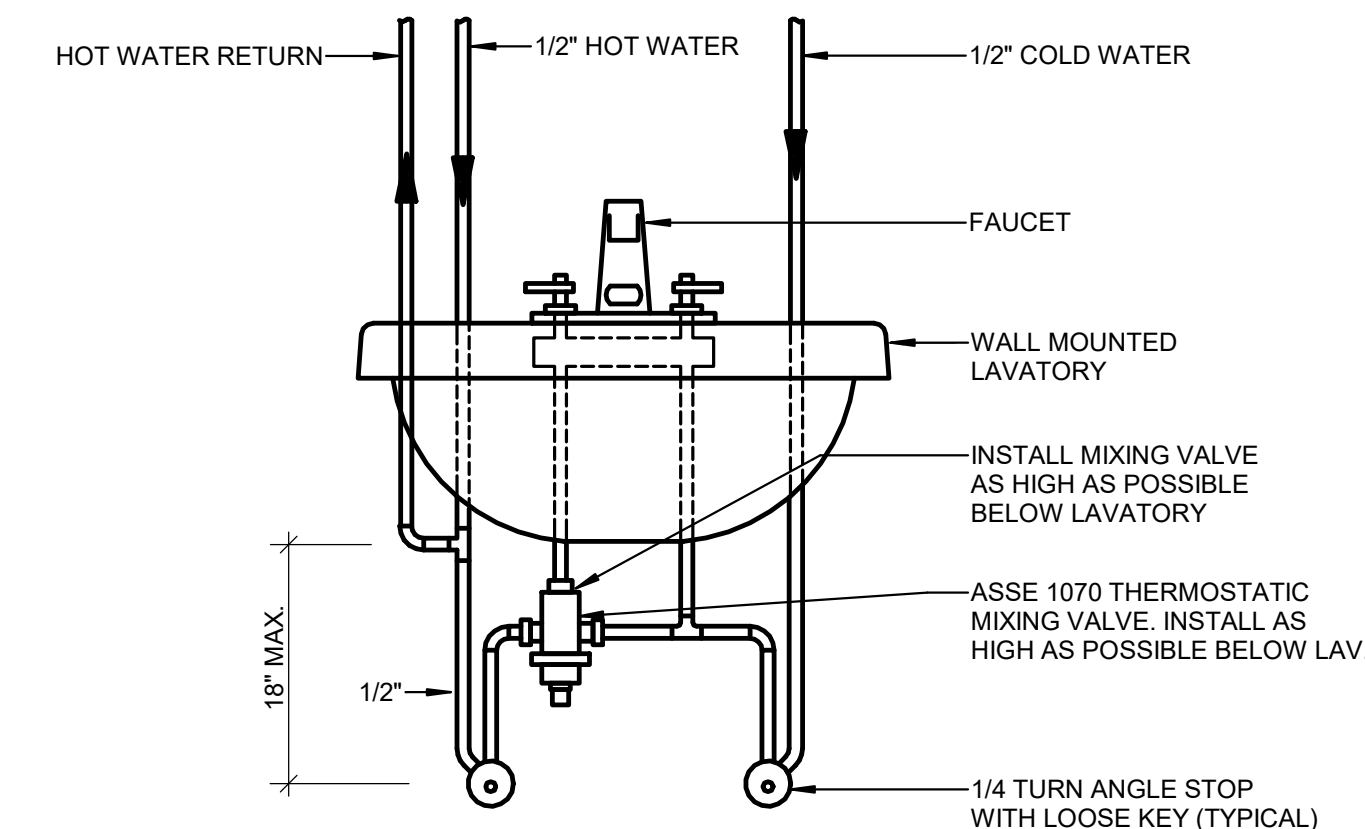
2  
P601



TYPICAL GAS CONNECTION TO EQUIPMENT

SCALE: NTS

6  
P601



PUBLIC LAVATORY HANDWASH SINK PIPING DETAIL

SCALE: NTS

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P601



DESCRIPTION	DATE

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL



1

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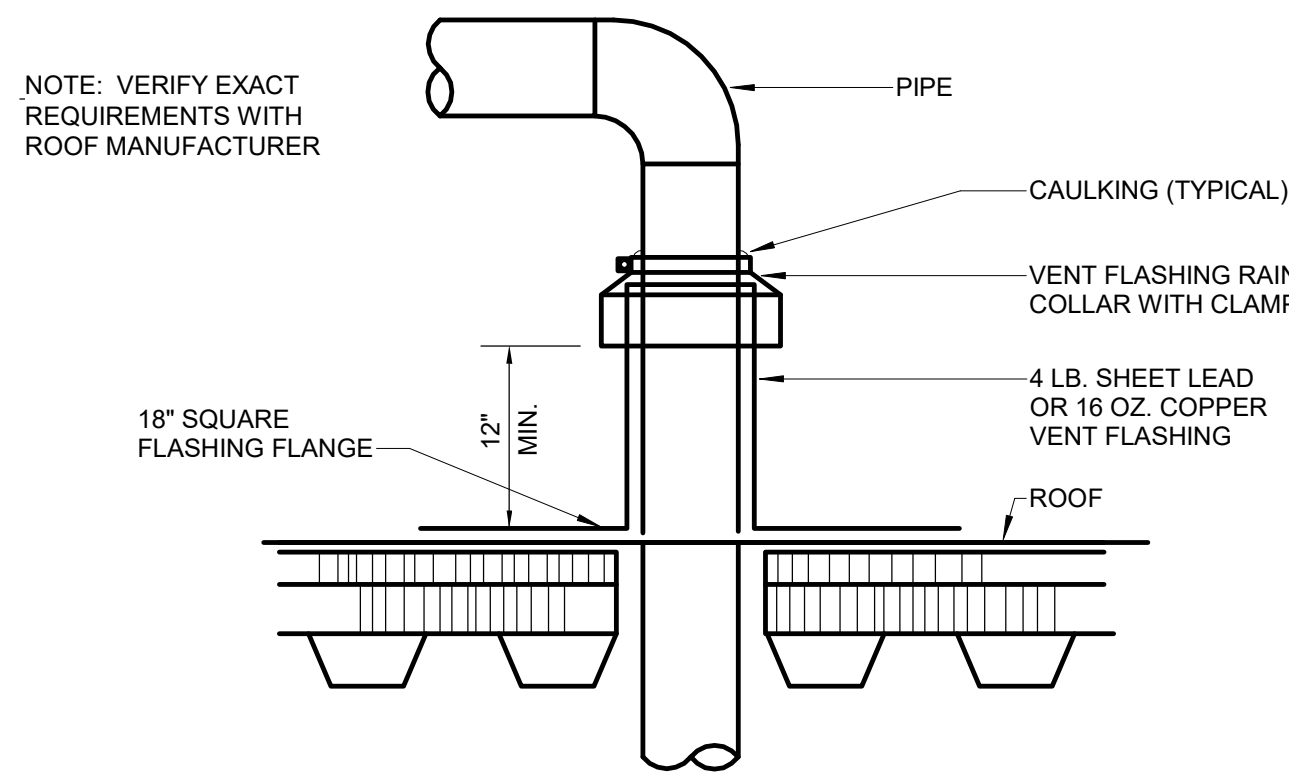
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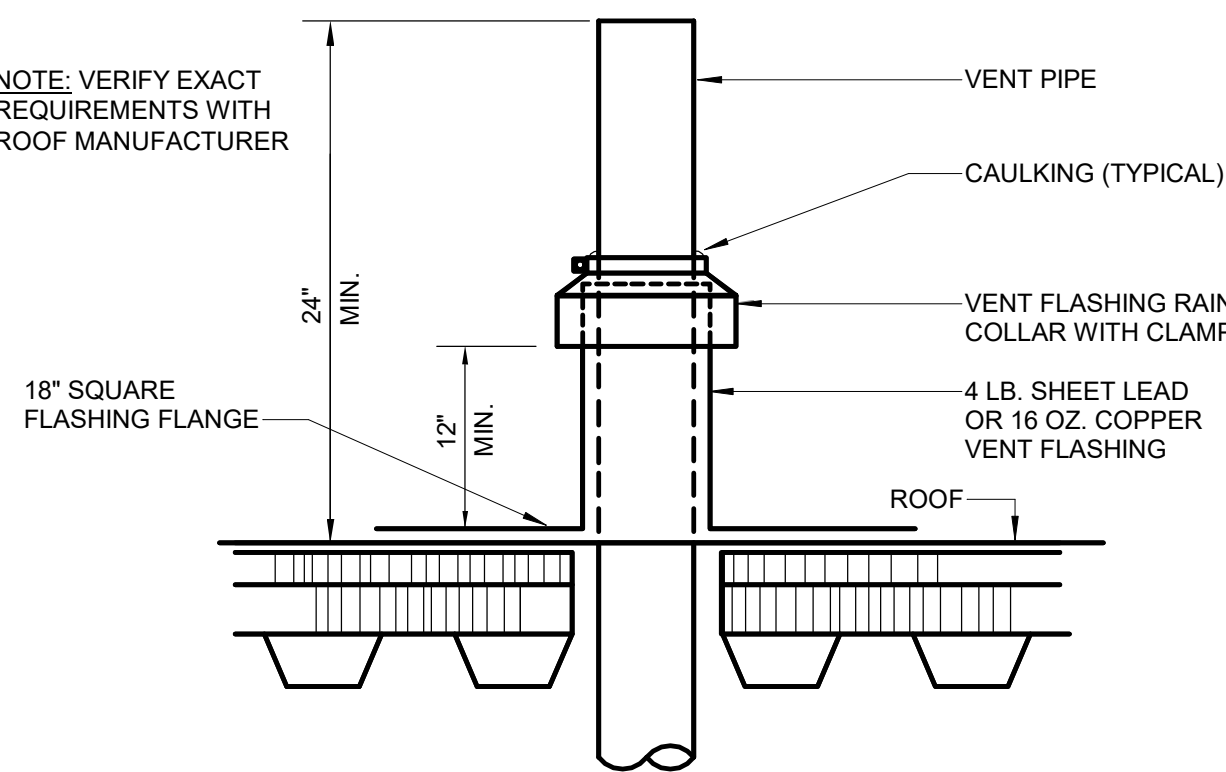


PIPE THRU ROOF PENETRATION DETAIL

SCALE: NTS

7  
P602

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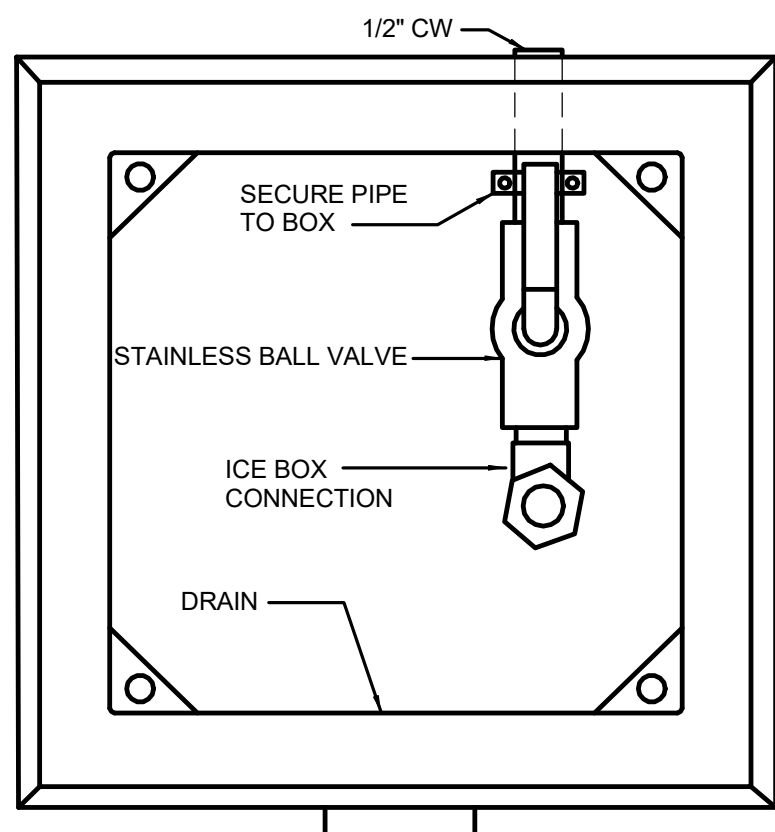


VENT THRU ROOF DETAIL

SCALE: NTS

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P602

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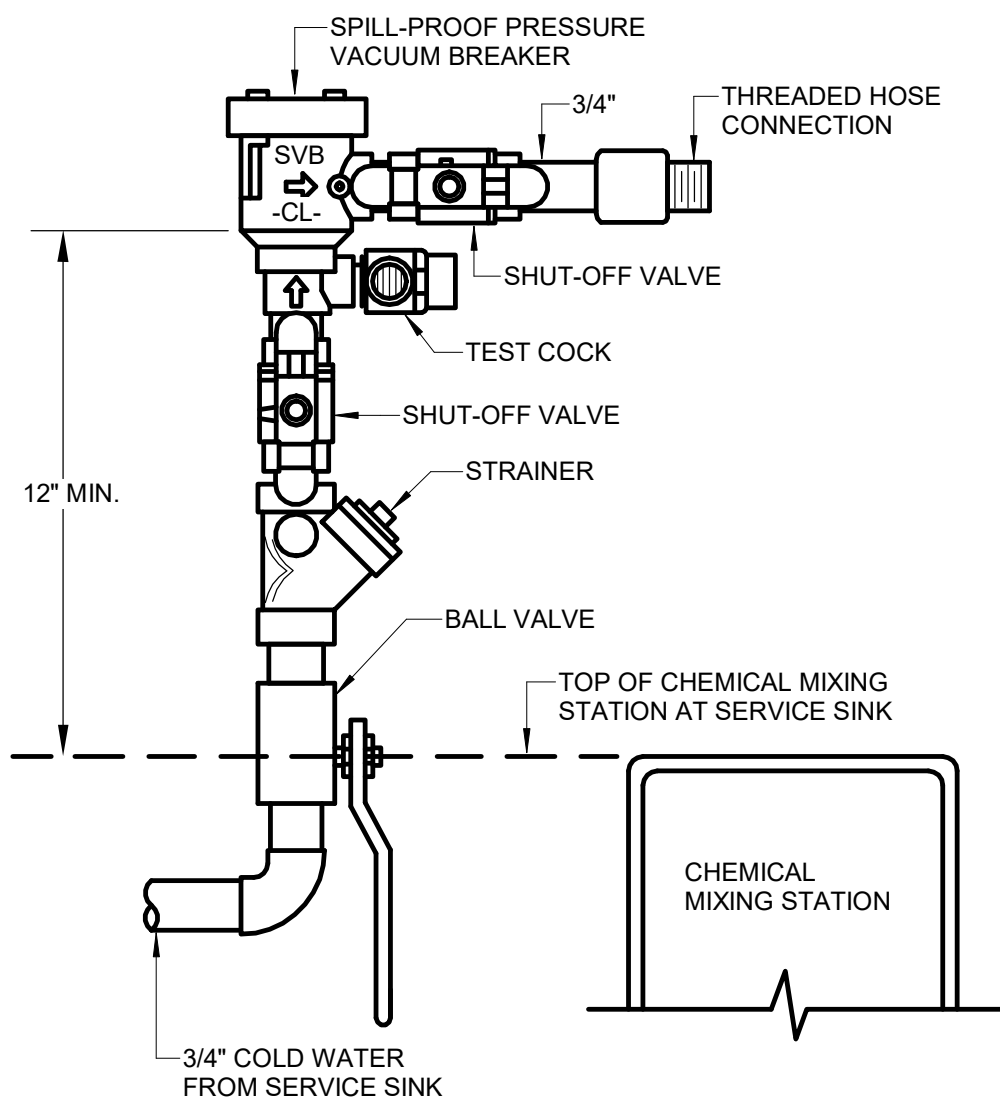


ICE MAKER BOX PIPING DETAIL

SCALE: NTS

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P602

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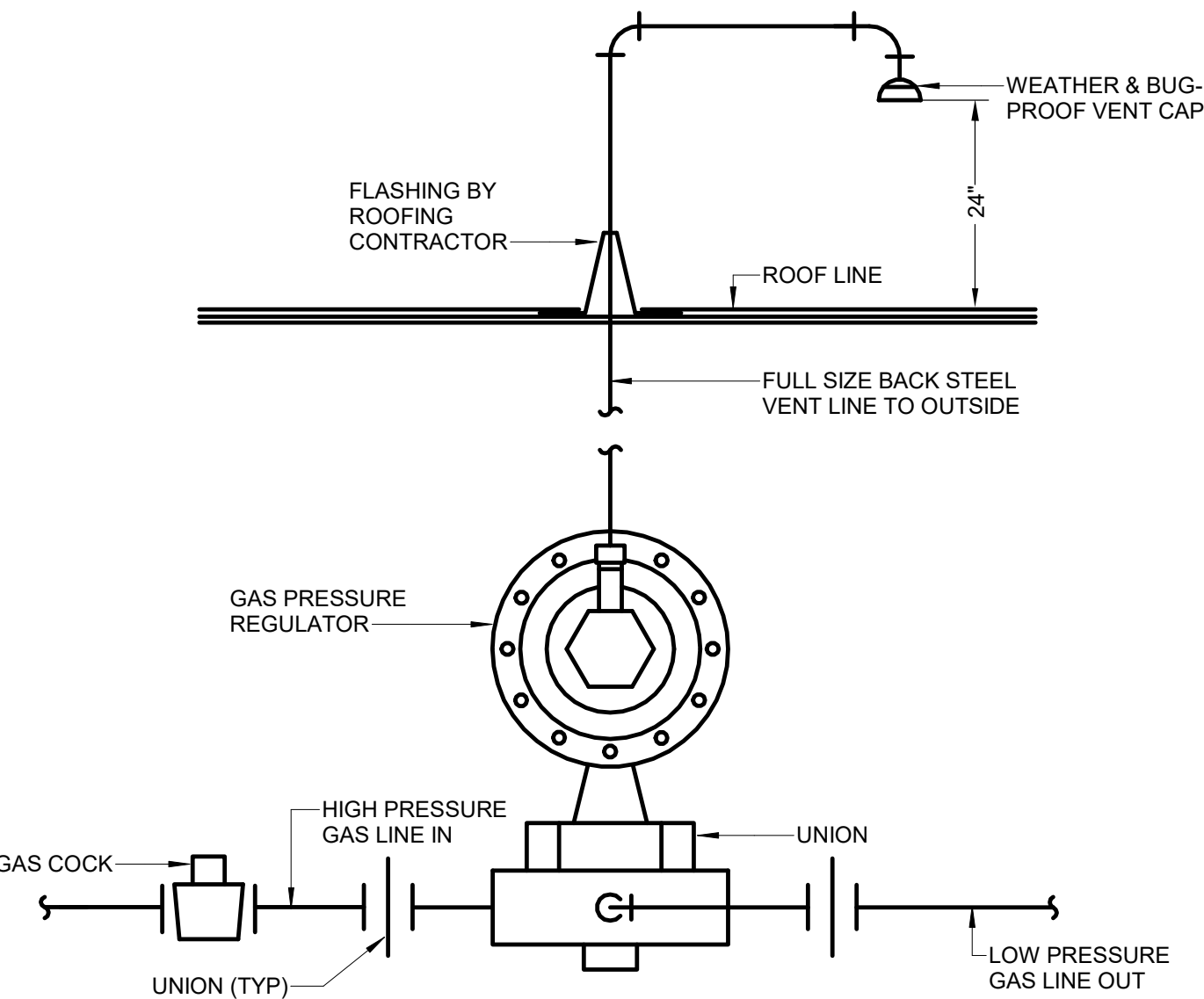


SPILL-PROOF VACUUM BREAKER AT SS-1 DETAIL

SCALE: NTS

9  
P602

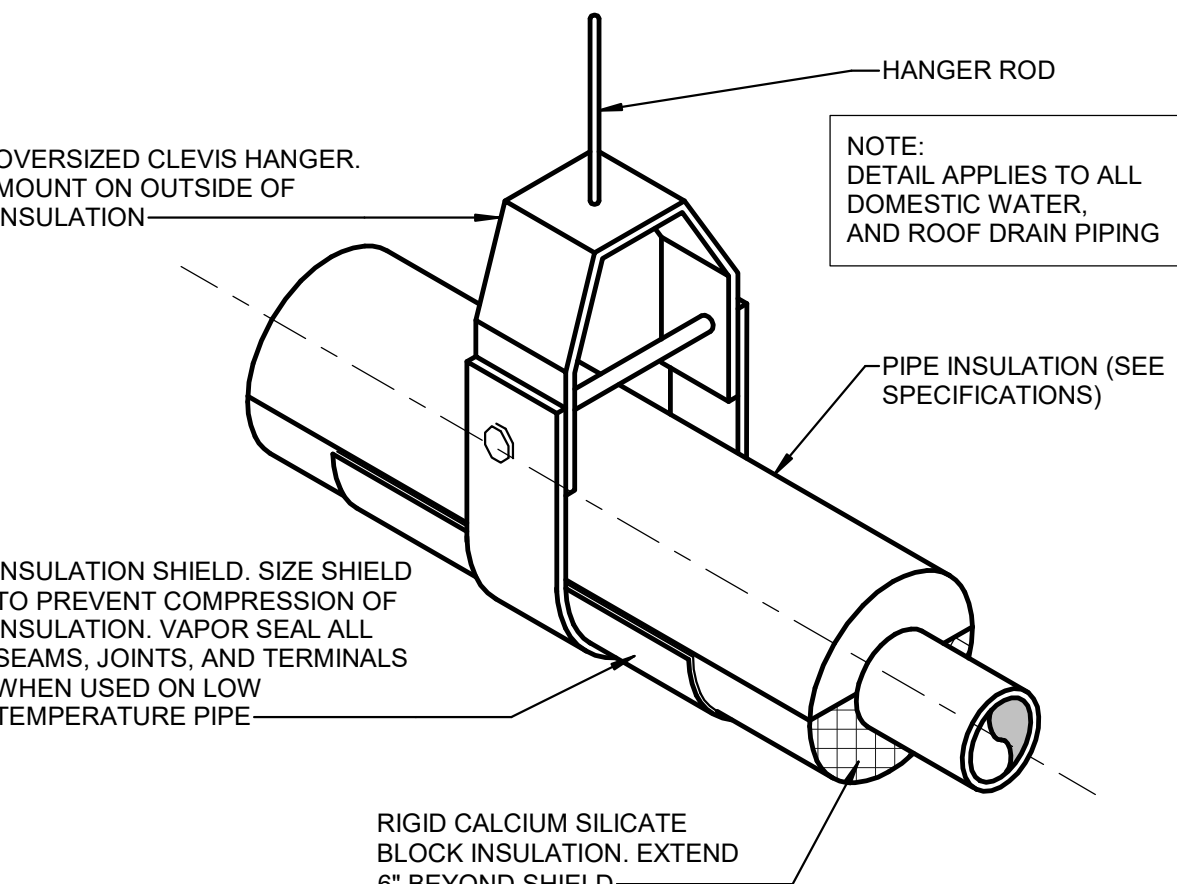
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GAS PRESSURE REGULATOR DETAIL

SCALE: NTS

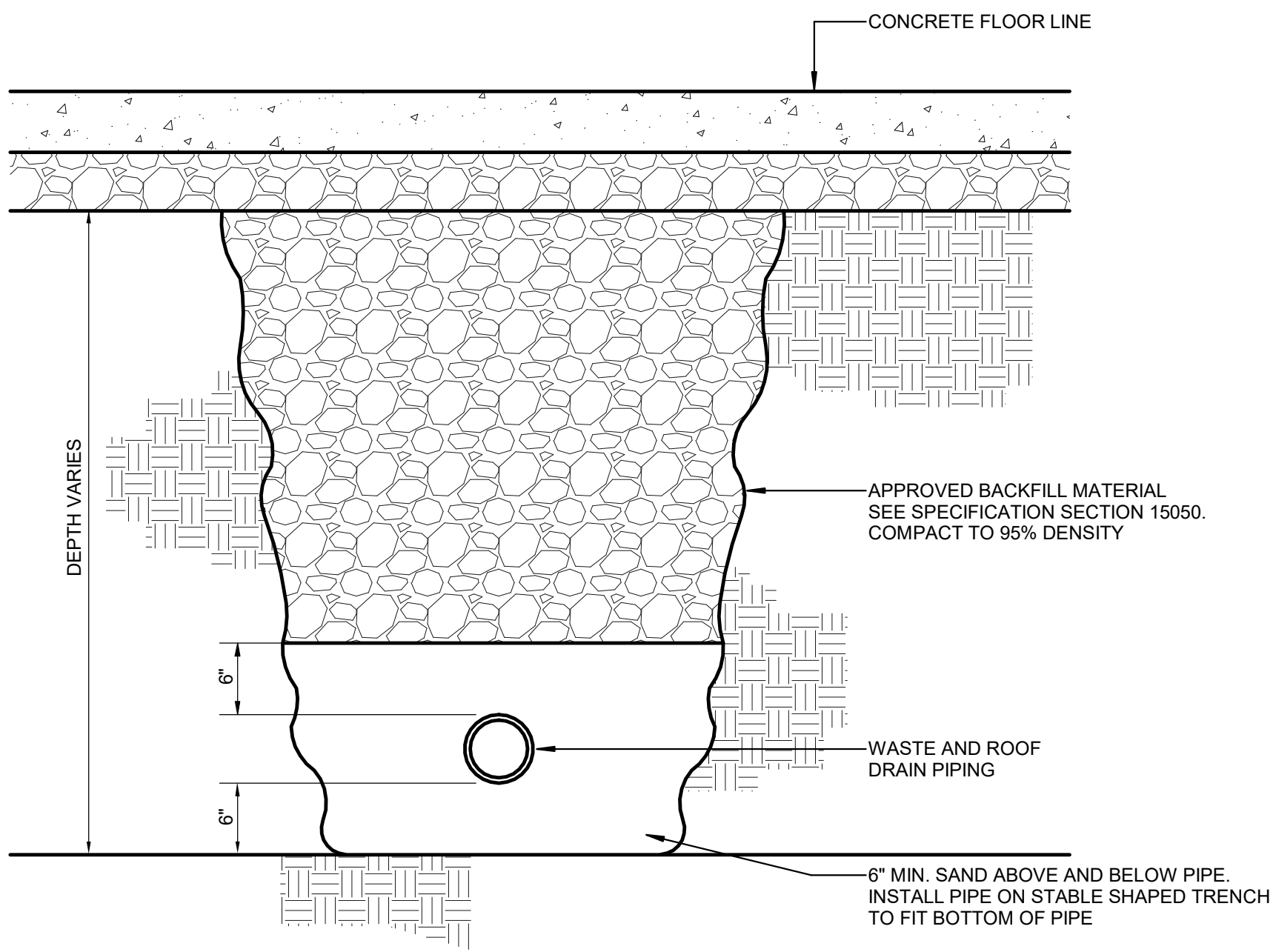
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P602



PIPE SUPPORT DETAIL (PLUMBING)

SCALE: NTS

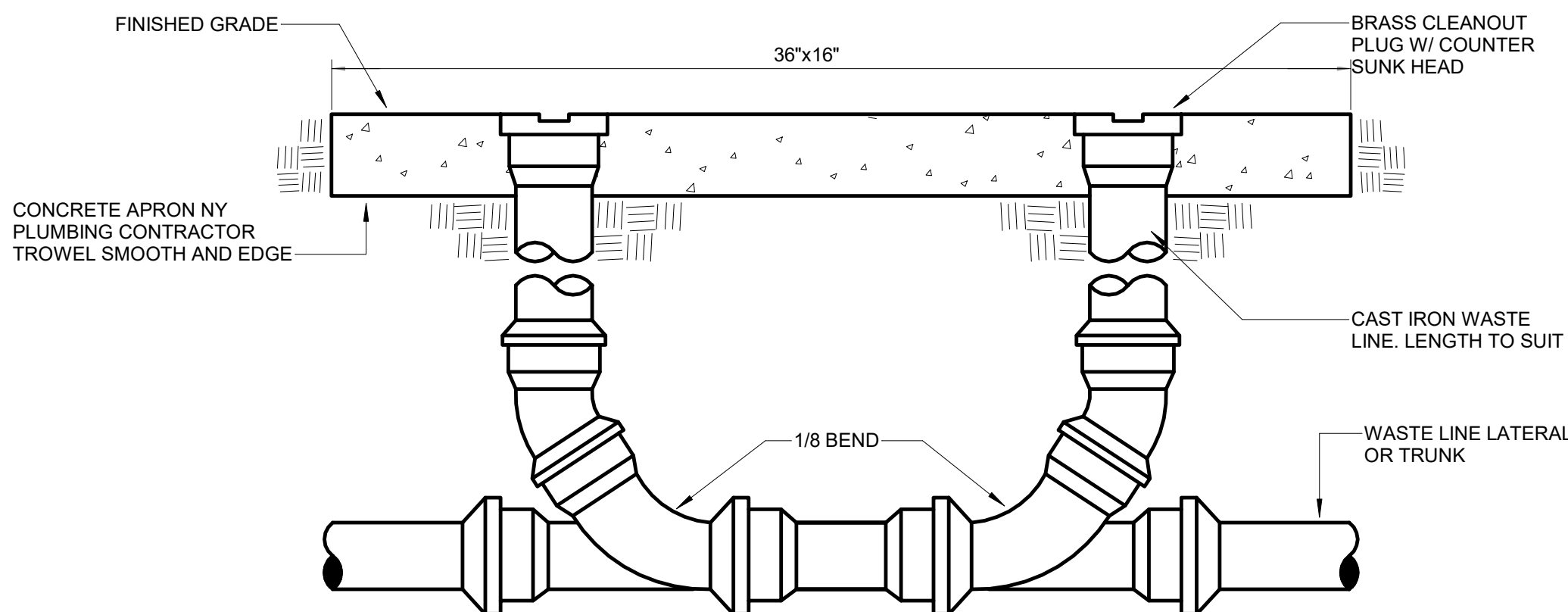
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P602



TYPICAL WASTE & ROOF DRAIN TRENCH DETAIL

SCALE: NTS

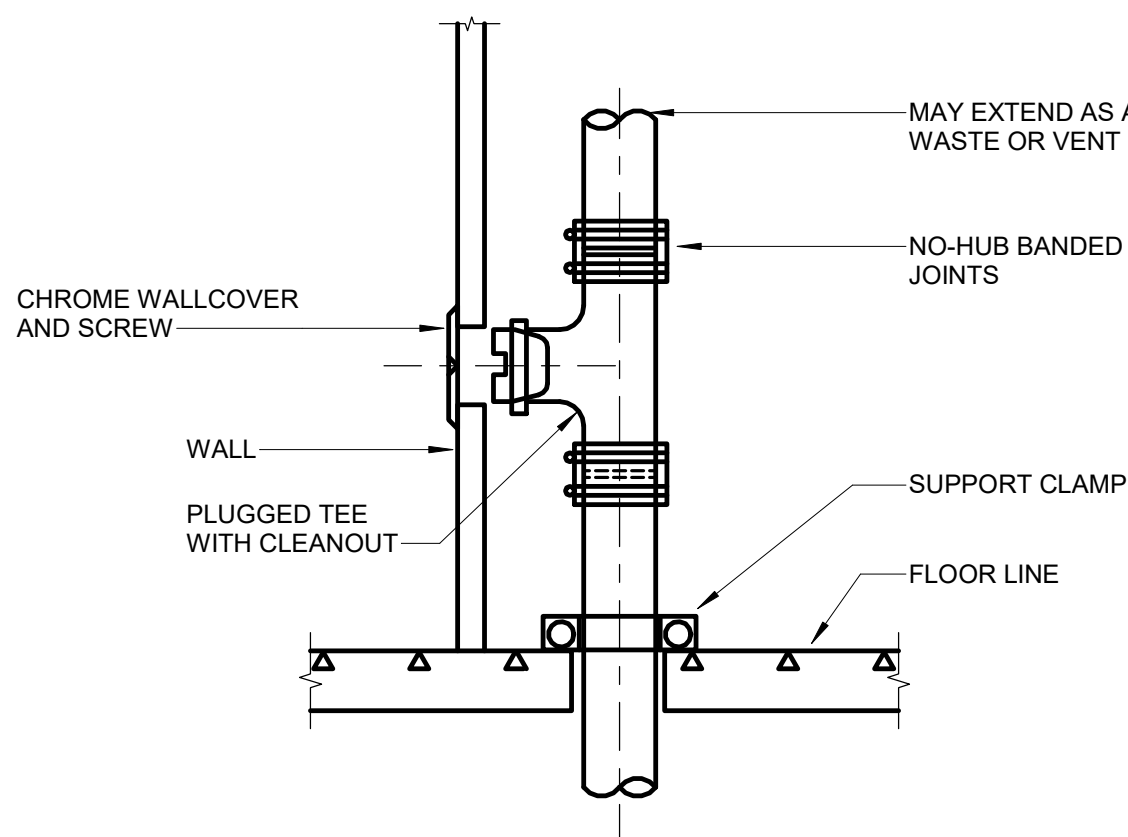
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P602



DOUBLE CLEANOUT TO GRADE DETAIL

SCALE: NTS

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P602



WALL CLEANOUT DETAIL

SCALE: NTS

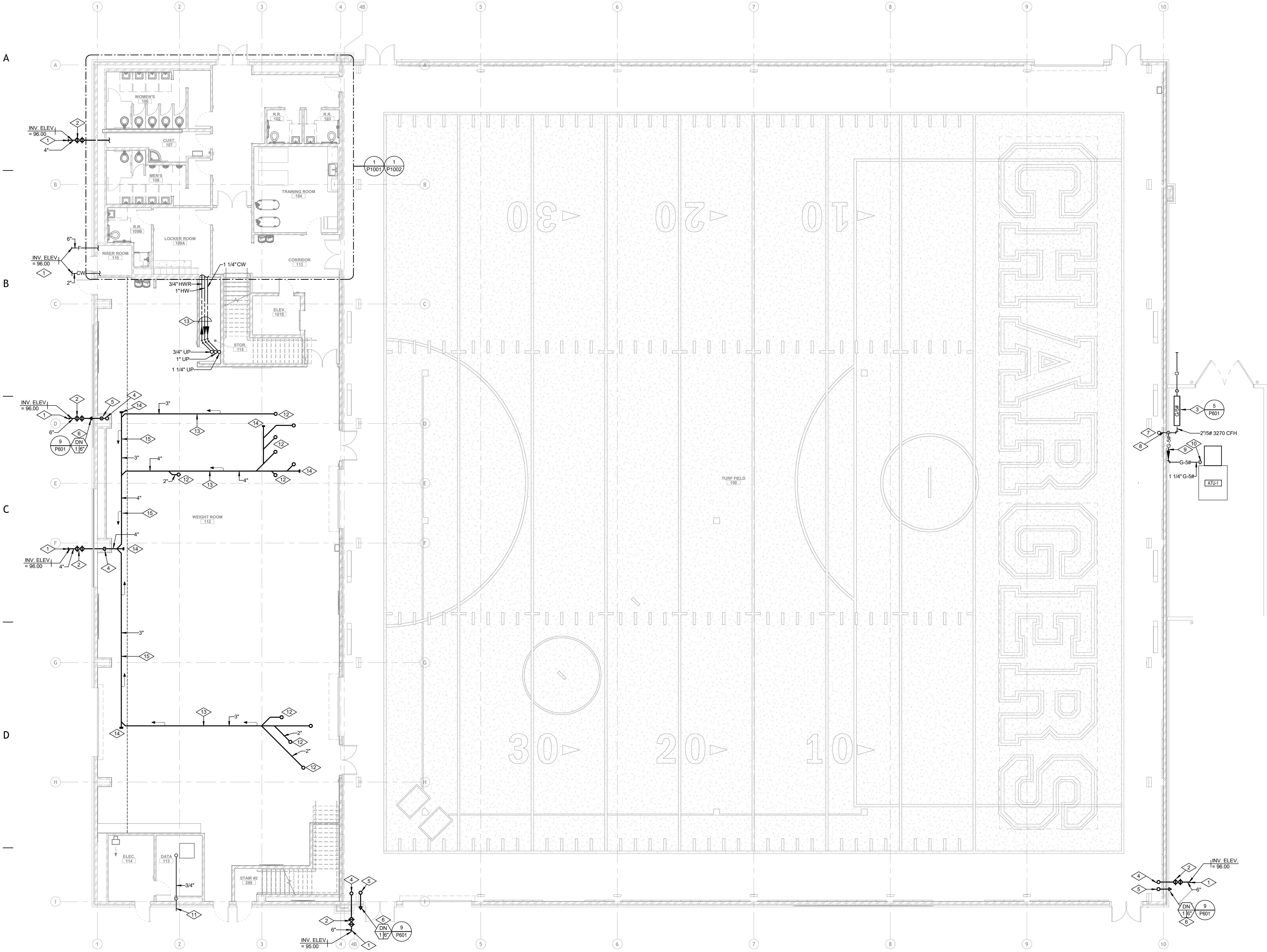
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P602



DESCRIPTION	DATE

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL





LEVEL 1 ALTERNATE - OVERALL PLUMBING PLAN



- REFERENCE NOTES
1. TERMINATE PIPING 5'-0" BEYOND BUILDING LINE, DIVISION 22 TO MAKE FINAL CONNECTION TO SITE UTILITIES. COORDINATE EXACT LOCATION & INVERT WITH SITE UTILITY CONTRACTOR.
  2. DOUBLE CLEANOUT TO GRADE. SEE DETAIL 2/P602
  3. GAS METER. COORDINATE WITH DOMINION ENERGY.
  4. PRIMARY ROOF DRAIN DOWN FROM ABOVE TO BELOW FLOOR.
  5. SECONDARY ROOF DRAIN DOWN FROM ABOVE TO 30" ABOVE GRADE.
  6. MOUNT D.N. 1 AT 30" ABOVE GRADE. COORDINATE WITH WALL TYPE.
  7. 1 1/4" 5 LB GAS UP TO ABOVE. (1720 CFH)
  8. GAS FROM METER THRU BUILDING WALL SEAL WATERTIGHT.
  9. RUN TIGHT AT WALL.
  10. 1 1/4" 5 LB GAS TO ATU-1. SEE DETAIL 6/P601
  11. PIPE 3/4" CONDENSATE FROM AG-1 DOWN AT WALL & DISCHARGE THRU EXTERIOR WALL AT 32" ABOVE GRADE IN TURNED DOWN ELBOW.
  12. WASTE TO SERVE FIXTURES ABOVE. (TYPICAL) SEE SHEET P902.
  13. PIPING TO RUN ABOVE CEILING HIGH & TIGHT TO STRUCTURE. COORDINATE WITH ALL TRADES. (TYPICAL)
  14. CLEANOUT. (TYPICAL)
  15. WASTE TO RUN IN ARCHITECTURAL SOFFIT. COORDINATE WITH STRUCTURE AND ALL TRADES.



REVISIONS	
DESCRIPTION	DATE

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PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1  
Alternate  
Plumbing Plan

SHEET NUMBER  
P901



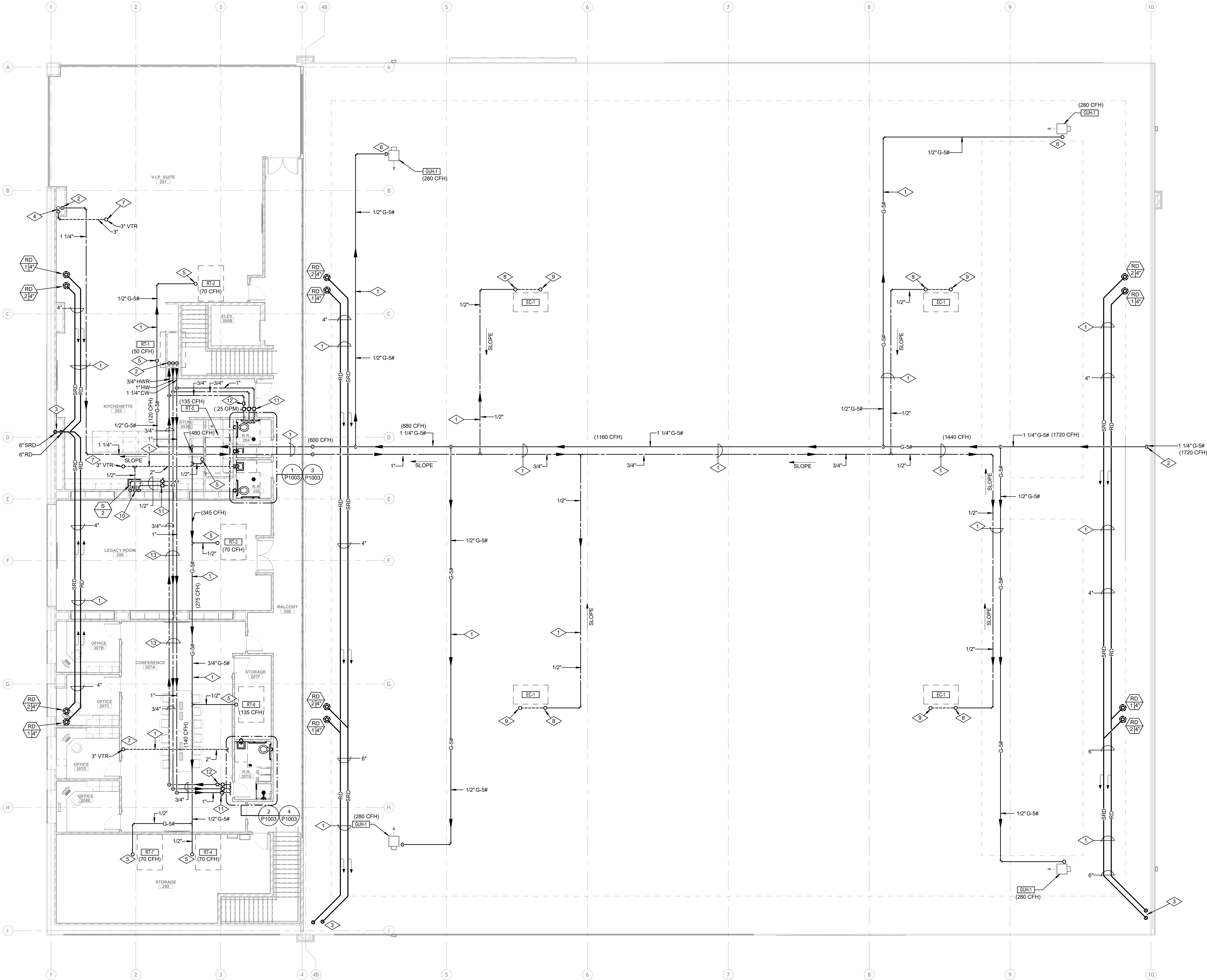
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LEVEL 2 ALTERNATE - OVERALL PLUMBING PLAN

0 4'-0" 8'-0" 16'-0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

- 1 PIPING TO RUN HIGH & TIGHT AT STRUCTURE. COORDINATE WITH STRUCTURE & ALL TRADES.
- 2 PIPING UP FROM BELOW.
- 3 PIPING DOWN TO BELOW.
- 4 FIRE LINE UP FROM BELOW. SEE FP101
- 5 GAS UP THRU ROOF TO EQUIPMENT. COORDINATE LOCATION WITH EQUIPMENT PROVIDED. SEE DETAIL 7/P601
- 6 GAS TO UNIT HEATER. SEE DETAIL 6/P601
- 7 VENT THRU ROOF. (VTR) SEE DETAIL 4/P602.
- 8 WATER UP THRU ROOF TO EC-1. COORDINATE LOCATION WITH UNIT PROVIDED. SEE DETAILS 7/P602, 1/M603.
- 9 WATER RUNS ON ROOF TO EC-1 WATER CONNECTIONS. COORDINATE WITH UNIT PROVIDED. PROVIDE DRAIN VALVE & SUPPORT PIPING.
- 10 WATERS UP, WASTE DOWN. SEE P601.
- 11 BALL VALVE. (TYPICAL) VALVE MUST BE ACCESSIBLE.
- 12 CIRCUIT SETTER ON HOT RE-CIRCULATING LINE. BALANCE TO GPM SHOWN.
- 13 PIPING TO RUN ABOVE CEILING HIGH & TIGHT TO STRUCTURE. COORDINATE WITH ALL TRADES. (TYPICAL)



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
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CONSULTANT INFORMATION



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 2  
Alternate  
Plumbing Plan

SHEET NUMBER

P902



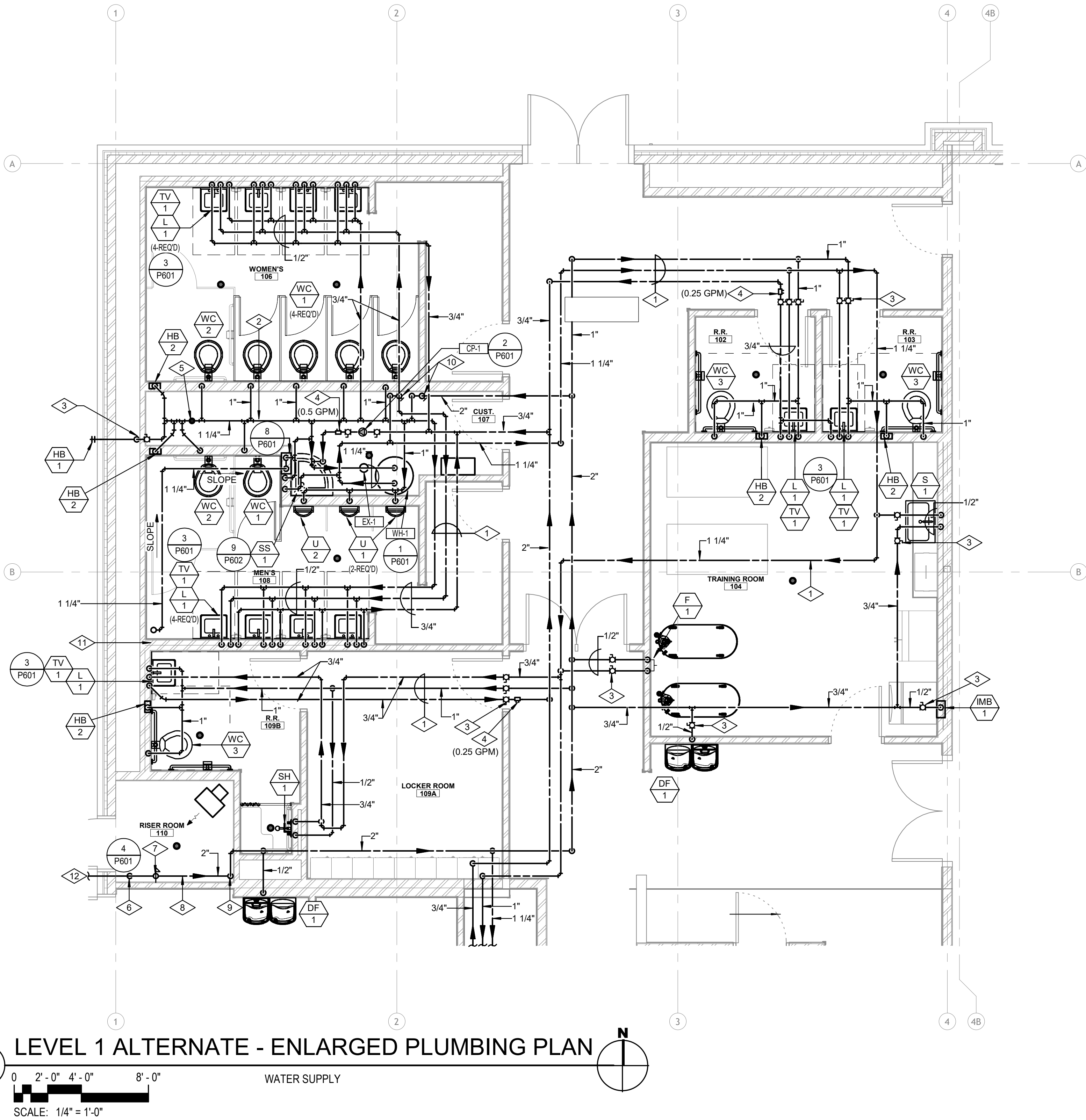
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REFERENCE NOTES

- 1 PIPING TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
- 2 PIPE TO BE AT 72" MINIMUM HEIGHT IN CHASE.
- 3 LINE SIZE BALL VALVE. (TYPICAL) VALVE MUST BE ACCESSIBLE.
- 4 CIRCUIT SETTER IN HOT RE-CIRCULATING LINE. BALANCE TO GPM SHOWN. CIRCUIT SETTER MUST BE ACCESSIBLE.
- 5 WATER HAMMER ARRESTOR.
- 6 PIPE UP THRU FLOOR TO PRV.
- 7 MAIN WATER PRESSURE REDUCING STATION. COORDINATE WITH FIRE RISER.
- 8 PIPING RUNS EXPOSED.
- 9 RISE UP TO RUN HIGH.
- 10 BALL VALVES AT 72" FOR TOILET ROOMS.
- 11 1 1/4" WATER UP TO ABOVE.
- 12 SEE P101 FOR CONTINUATION.

PROFESSIONAL STAMP



CONSULTANT INFORMATION

PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

Level 1  
Alternate  
Enlarged  
Plumbing Plan

SHEET NUMBER

**P1001**



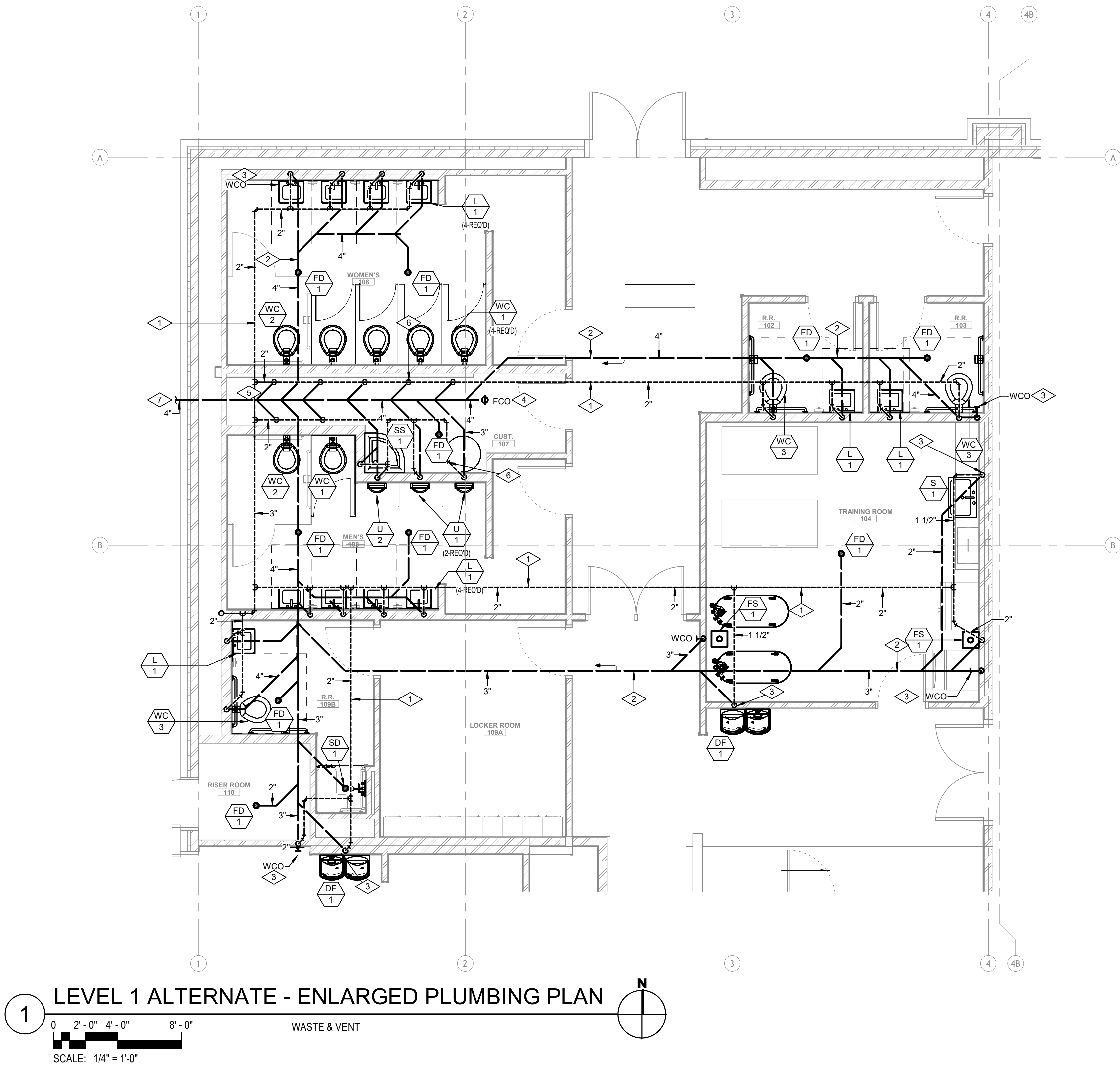
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REFERENCE NOTES

- 1 PIPING TO RUN ABOVE CEILING (TYPICAL) COORDINATE WITH STRUCTURE & ALL TRADES.
- 2 PIPING TO RUN BELOW FLOOR. (TYPICAL)
- 3 WALLCLEANOUT (WCO) SEE DETAIL 3/P602.
- 4 FLOOR CLEANOUT (FCO) SEE DETAIL 10/P601.
- 5 WATER HAMMER ARRESTOR.
- 6 PIPING IN CHASE TO BE 72" MINIMUM HEIGHT.
- 7 SEE SHEET P901 FOR CONTINUATION.



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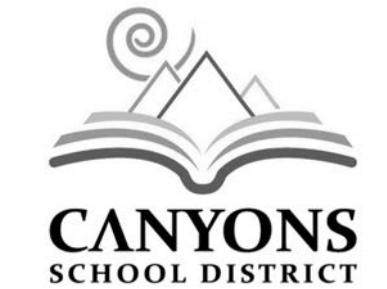
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CONSULTANT INFORMATION



14 East 2700 South, Salt Lake City, UT 84119  
Phone: (801) 486-6600 Fax: (801) 487-0201



PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

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SHEET TITLE

Level 1  
Alternate  
Enlarged  
Waste & Vent  
Plan

SHEET NUMBER

P1002



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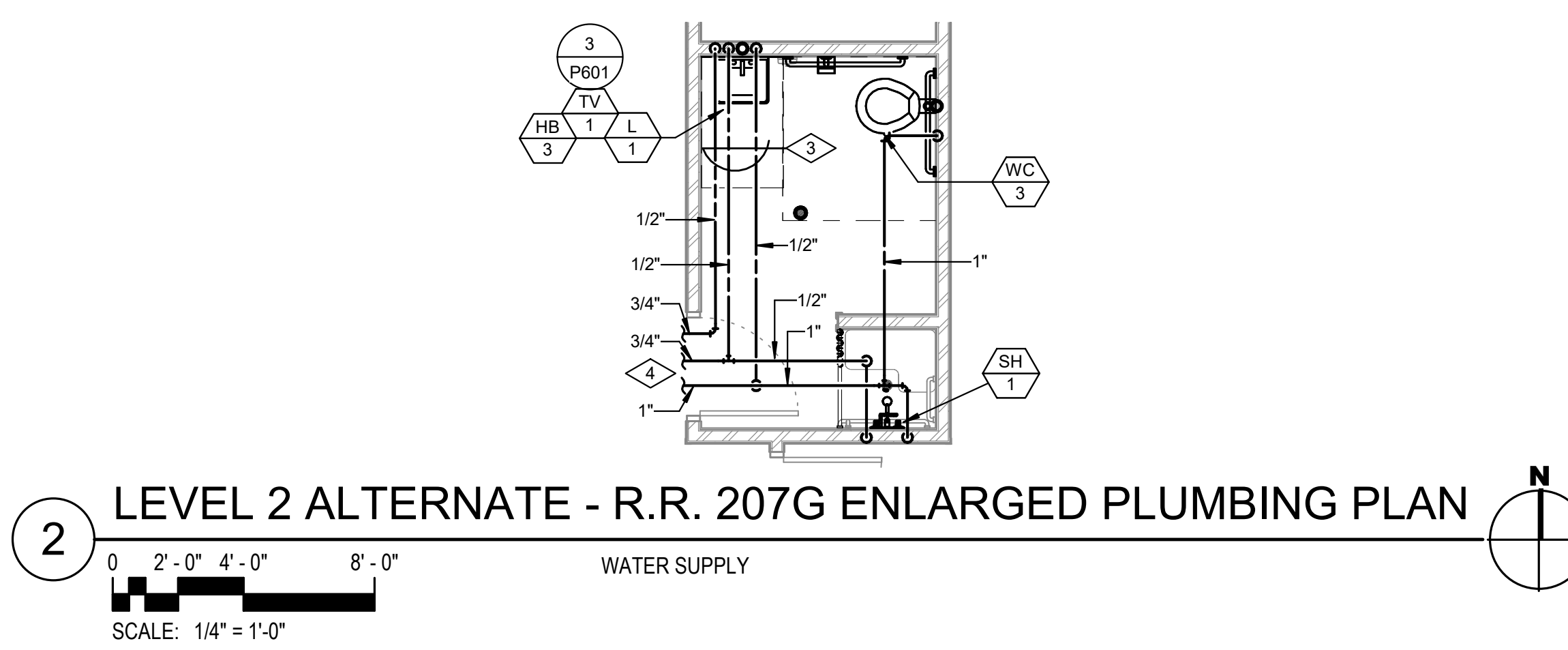
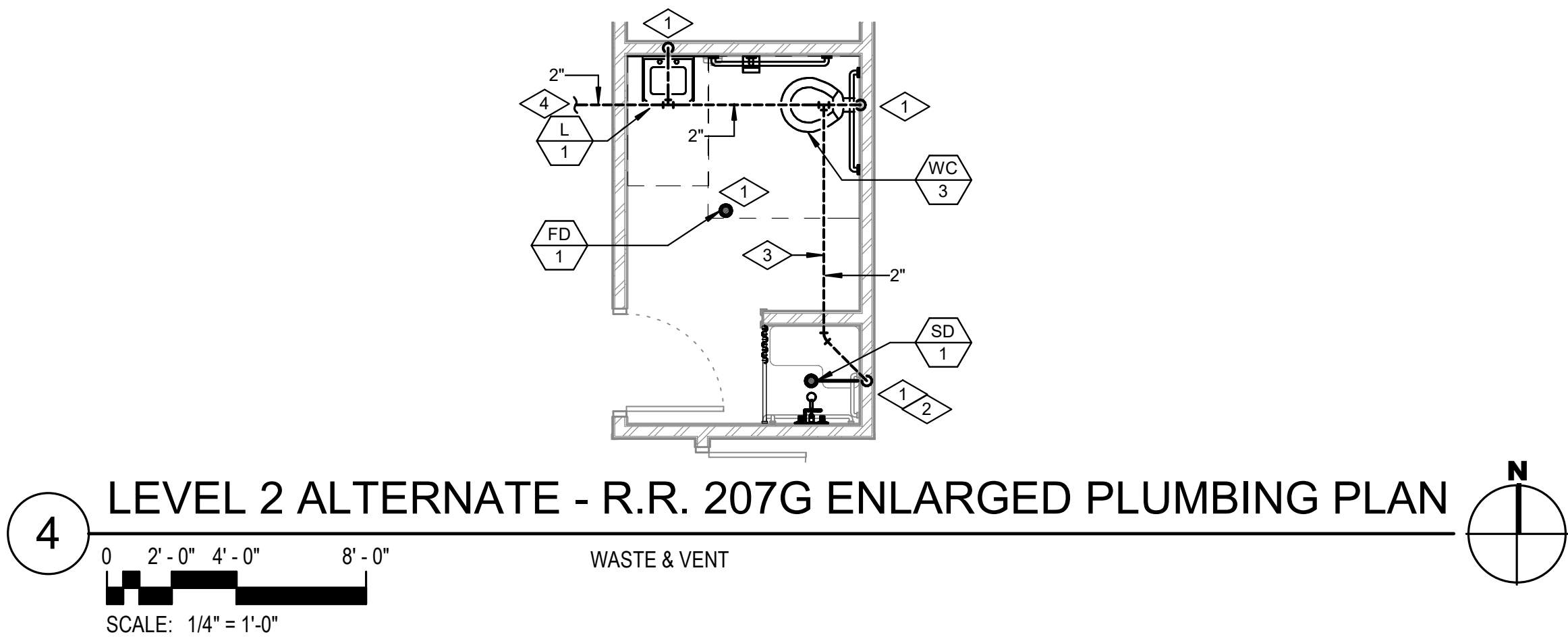
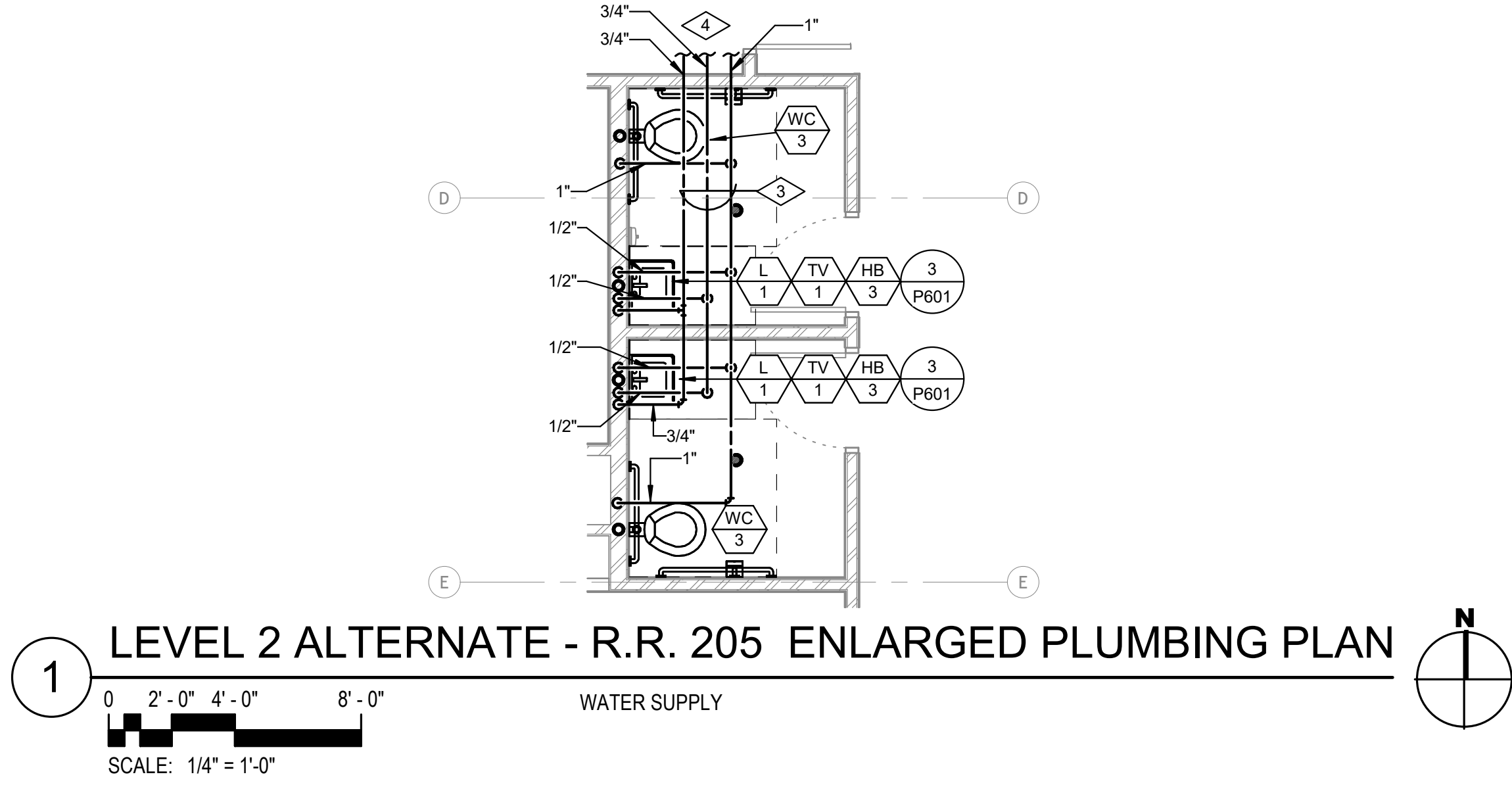
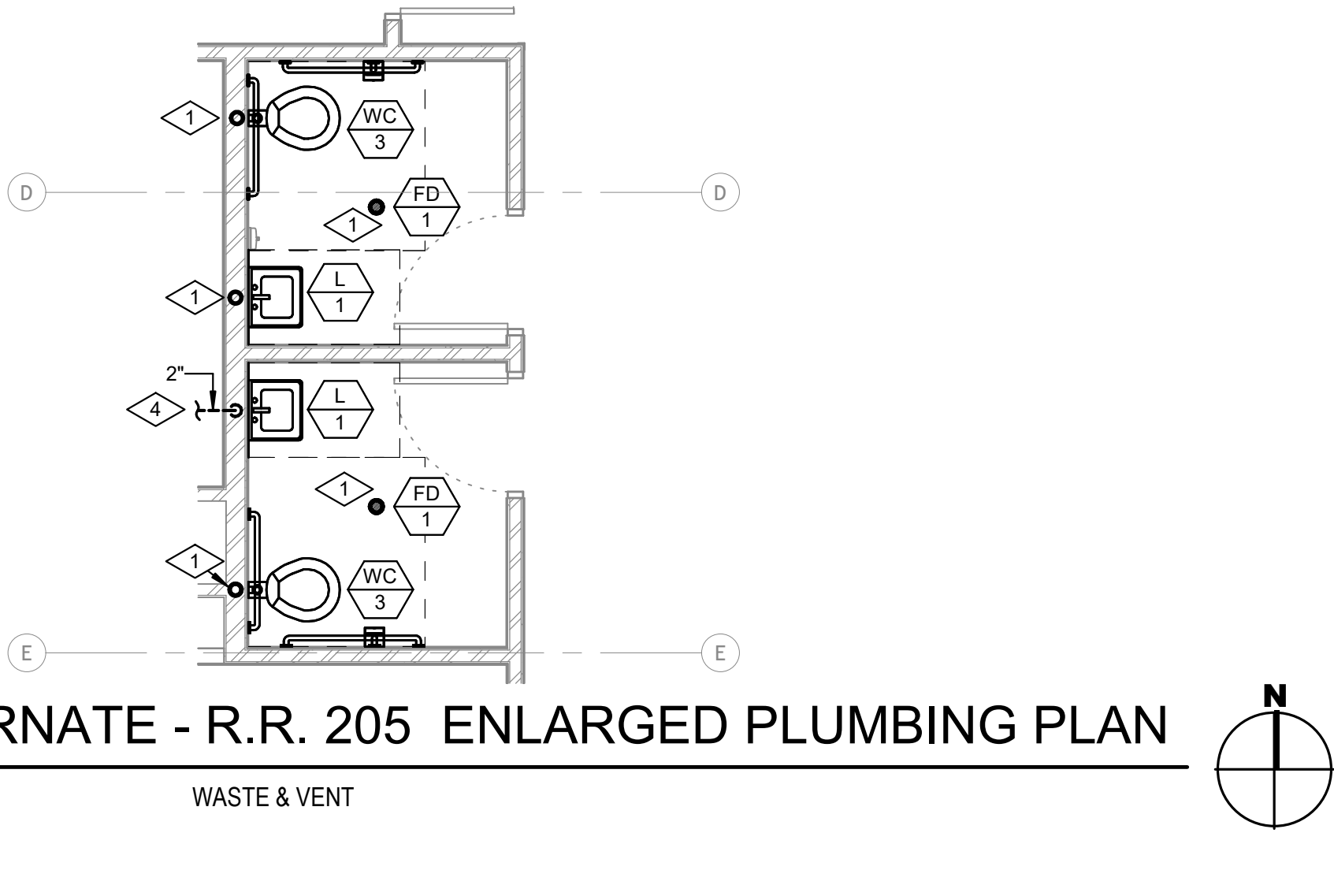
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## REFERENCE NOTES

- WASTE DOWN TO BELOW. SEE P901
- PIPING UP TO ABOVE CEILING.
- PIPING TO RUN ABOVE CEILING.
- SEE SHEET P902 FOR CONTINUATION.



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## CONSULTANT INFORMATION



PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

## REVISIONS

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PM / PA: KJM  
PIC: CLL

## DRAWING SET STATUS

## BID SET

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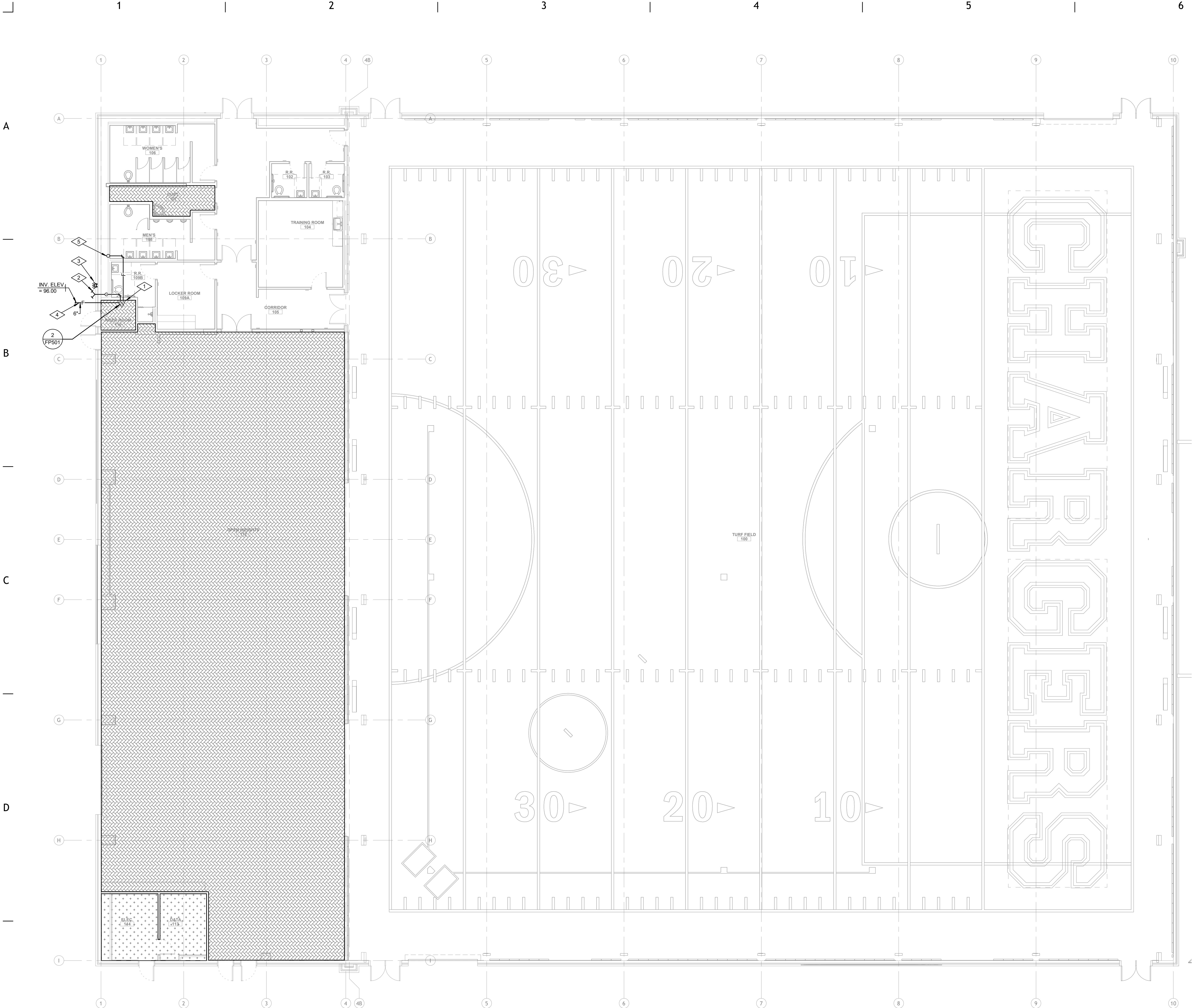
## SHEET TITLE

Level 2  
Alternate  
Enlarged  
Plumbing Plans

## SHEET NUMBER

P1003





- REFERENCE NOTES**
- 1 FIRE RISER. SEE DETAIL 2/FP501.
  - 2 SIAMESE FIRE DEPARTMENT CONNECTION. PROVIDE BRASS CAPS PAINTED RED.
  - 3 HORN / STROBE.
  - 4 COORDINATE FINAL CONNECTION TO SITE UTILITIES.
  - 5 RISE TO 2ND LEVEL.

**FIRE PROTECTION LEGEND**

NO MARK

- LIGHT HAZARD
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE

Cross-hatch pattern

- LIGHT HAZARD
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

Dot pattern

- ORDINARY HAZARD, GROUP 1
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.

Diagonal line pattern

- ORDINARY HAZARD, GROUP 1
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

Triangle symbol

FIRE SPRINKLER RISER

Star symbol

SPRINKLER ALARM BELL

Star symbol

WALL MOUNTED SIAMESE FIRE DEPARTMENT CONNECTION

**NOTE:** CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMENTS

**LEVEL 1 OVERALL FIRE PROTECTION PLAN**

0 4'-0" 8'-0" 16'-0"

SCALE: 1/8" = 1'-0"

**CORE ARCHITECTURE**

233 SOUTH PLEASANT GROVE BLVD.  
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**PROFESSIONAL STAMP**

334524-2202  
JAMES AUSTIN BERRETT  
11/14/2023  
UTAH

**CONSULTANT INFORMATION**

**OLSEN & PETERSON**  
consulting engineers, inc.

14 East 2700 South, Salt Lake City, UT 84115  
Phone: (801) 456-6600 Fax: (801) 457-0200

**CANYONS SCHOOL DISTRICT**

PROJECT TITLE AND ADDRESS

**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

**REVISIONS**

Δ DESCRIPTION	DATE

**PROJECT INFORMATION**

DATE: SEPTEMBER 12, 2024

PROJECT #: 24-013

PM / PA: KJM

PIC: CLL

**DRAWING SET STATUS**

**BID SET**

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

**Level 1 Fire Protection Plan**

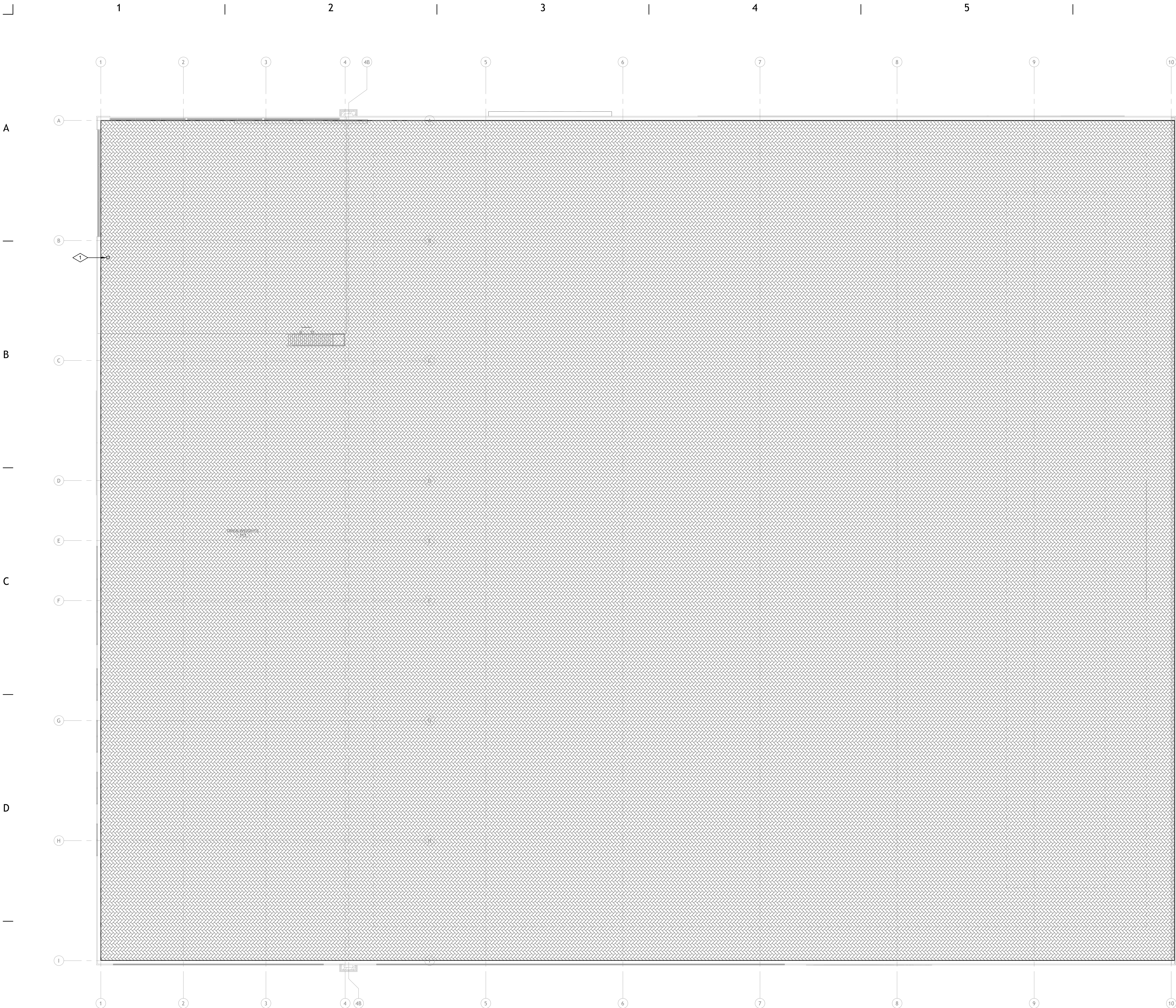
SHEET NUMBER

**FP101**

Autodesk Docs: /24/013 CCHS Fieldhouse & Soccer Field/103 - CCHS Fieldhouse & Soccer Field.dwg  
9/12/2024 10:31:06 AM



Autodesk Docs: /24-013 CCHS Fieldhouse & Soccer Field/ M03 - CCHS Fieldhouse & Soccer Field.dwg 9/12/2024 10:31:08 AM



REFERENCE NOTES

1 MAIN UP FROM LEVEL 1.

**FIRE PROTECTION LEGEND**

NO MARK

- LIGHT HAZARD
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE

Cross-hatch pattern

- LIGHT HAZARD
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

Star pattern

- ORDINARY HAZARD, GROUP 1
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.

Diagonal line pattern

- ORDINARY HAZARD, GROUP 1
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT BRASS HEADS ON EXPOSED PIPING

Triangle with dot

FIRE SPRINKLER RISER

Star with dot

SPRINKLER ALARM BELL

Star with dot

WALL MOUNTED SIAMESE FIRE DEPARTMENT CONNECTION

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMENTS

**CORE ARCHITECTURE**

233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
PHONE: (801) 769-3000  
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**PROFESSIONAL STAMP**

SEAL: PROFESSIONAL ENGINEER  
#334524-2202  
JAMES AUSTIN BERRETT  
11/14/2023  
UTAH

**CONSULTANT INFORMATION**

**OLSEN & PETERSON**  
consulting engineers, inc.

14 East 2700 South, Salt Lake City, UT 84119  
Phone: (801) 486-9600 Fax: (801) 481-0201

**CANYONS SCHOOL DISTRICT**

PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**  
12943 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
△ DESCRIPTION	DATE
PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	KJM
PIC:	CLL
DRAWING SET STATUS	
BID SET	
THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR	
SHEET TITLE	

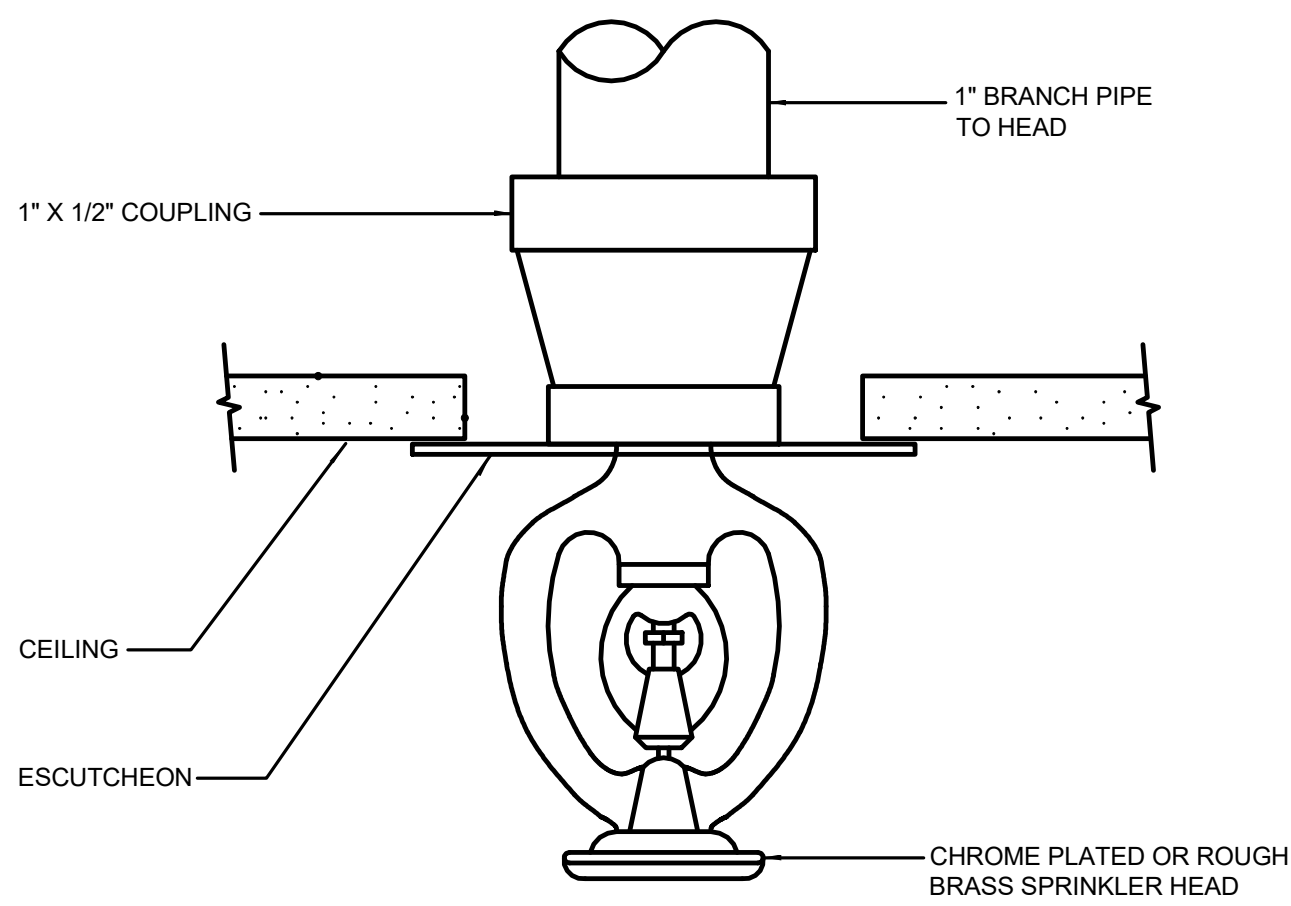
**Level 2 Fire Protection Plan**

SHEET NUMBER  
**FP102**



Autodesk Docs: /24/013 CCHS Fieldhouse & Soccer Field/103 - CCHS Fieldhouse & Soccer Field.rvt  
9/12/2024 10:31:59 AM

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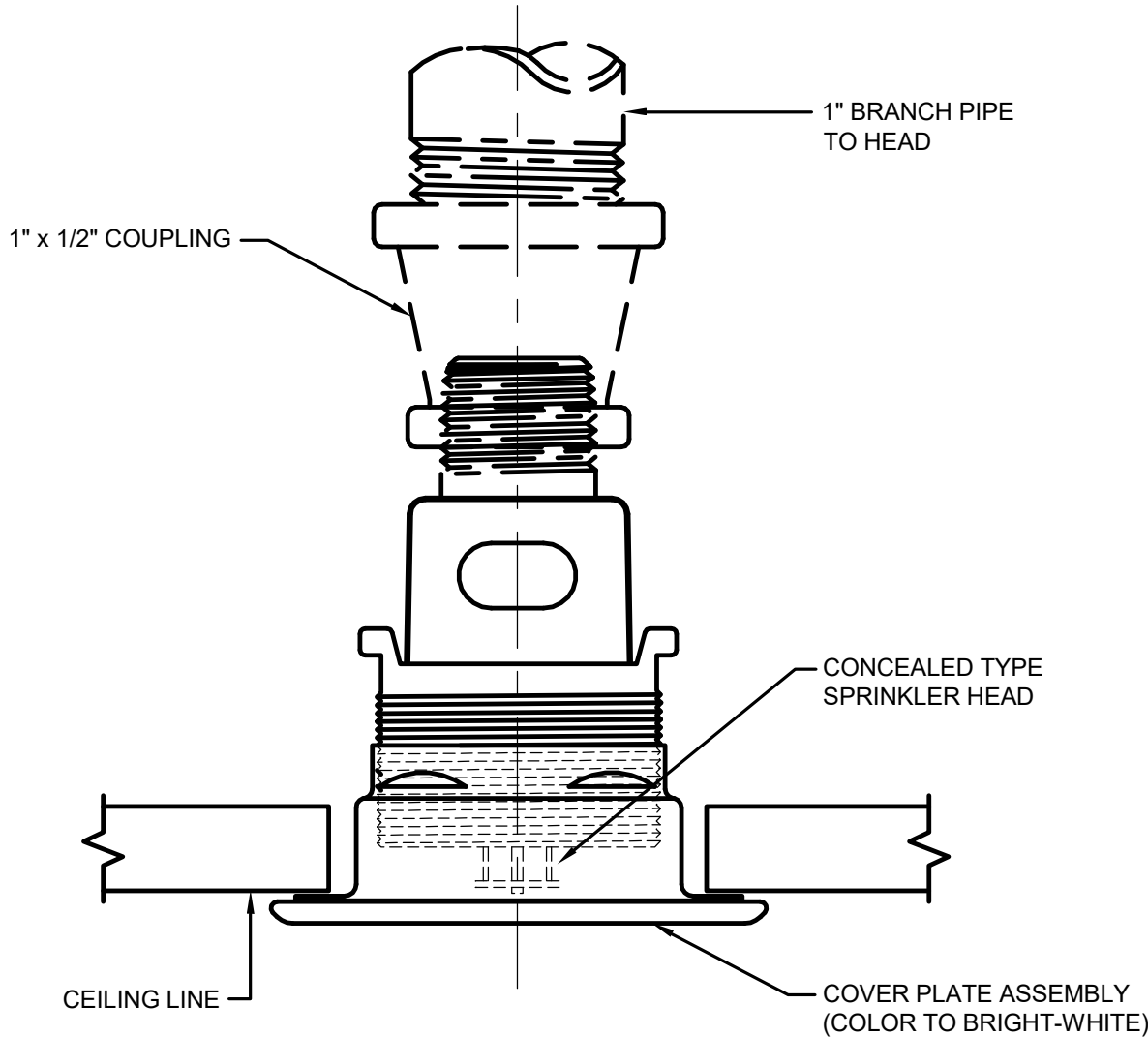


SPRINKLER HEAD DETAIL

NOT TO SCALE



B

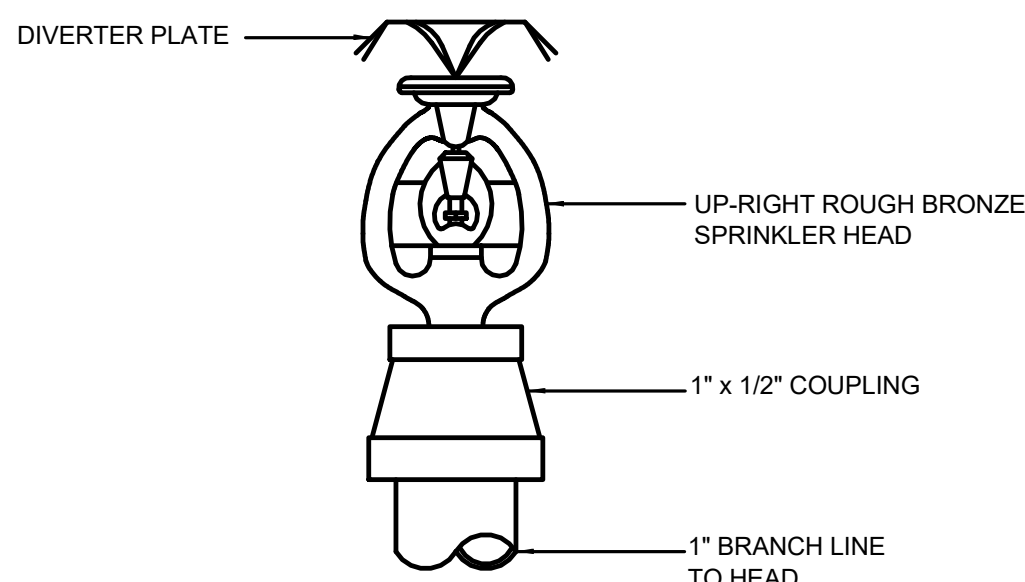


FLUSH SPRINKLER HEAD DETAIL

NOT TO SCALE



C

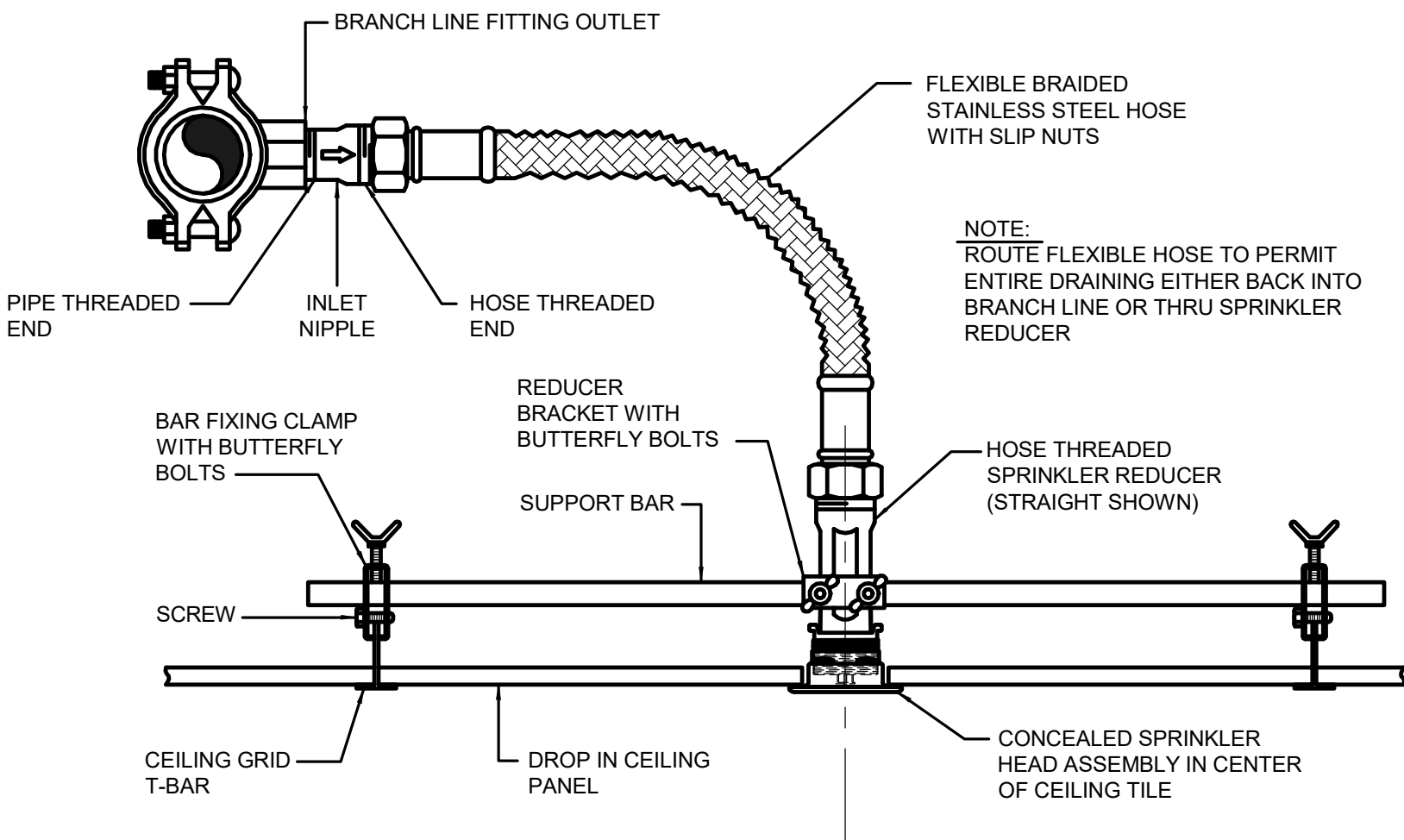


UPRIGHT ROUGH BRONZE, WHITE OR  
CHROME SPRINKLER HEAD DETAIL

NOT TO SCALE



D

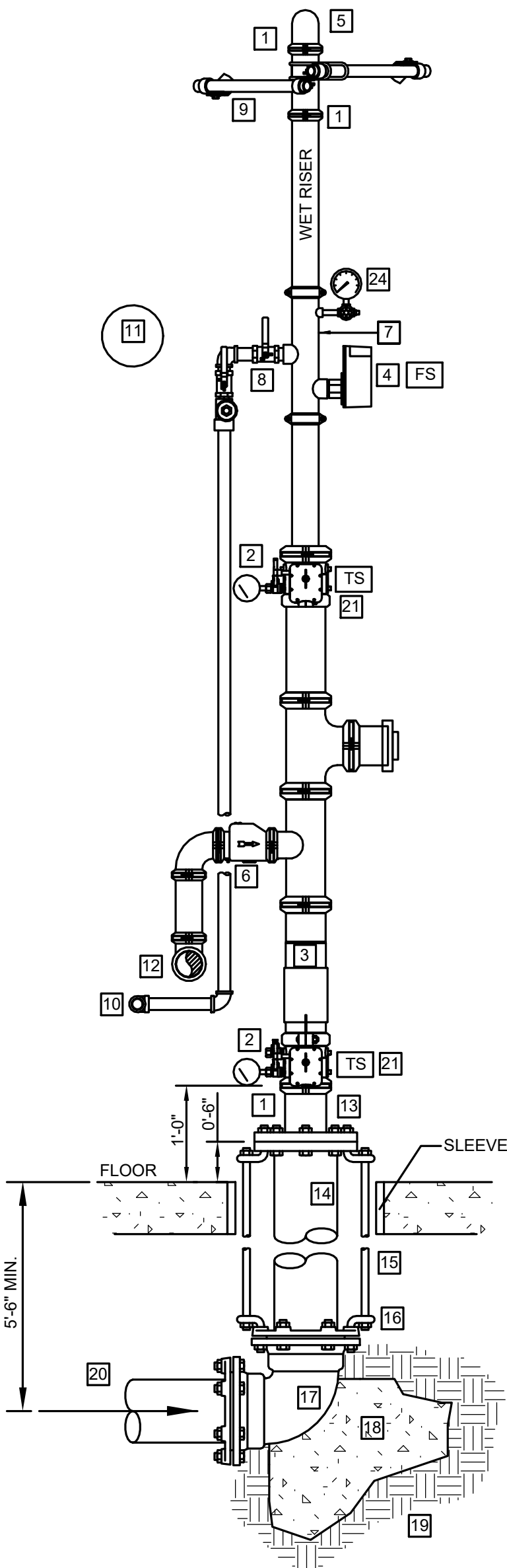


SPRINKLER HOSE DETAIL

NOT TO SCALE



E



FIRE SPRINKLER RISER DETAIL

NOT TO SCALE



RISER DETAIL NOTES

1. USE FLEXIBLE GROOVED PIPE COUPLING ONLY IF SEISMIC BRACING IS REQUIRED. SEE NOTE #12.
2. GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH
3. DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES
4. VANE TYPE WATER FLOW SWITCH
5. SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM
6. SWING CHECK VALVE
7. RISER MANIFOLD - INCLUDES PRESSURE GAUGE, FLOW SWITCH, AND TEST AND MAIN DRAIN DEVICE.
8. TEST & MAIN DRAIN DEVICE - PIPE TO OUTSIDE.
9. SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F. SEE DESIGN CRITERIA SCHEDULE ON SHEET S001.
10. PIPE TO DRAIN OUTSIDE
11. WEATHERPROOF ELECTRIC HORN AND STROBE (OUTSIDE)
12. OUT TO FIRE DEPARTMENT CONNECTION WITH GALVANIZED SCH 40 PIPING- PROVIDE BALL DRIP WHEN TRAPPING PIPE. SIZE CONNECTION AS REQUIRED.
13. GALVANIZED FLANGE AND SPOOL PIECE
14. CLASS S3 D.I. FLANGED SPIGOT
15. 3/4" A.T.R.
16. 3/4" BENT EYE BOLT
17. MECHANICAL JOINT 90° ELL
18. CONCRETE THRUST BLOCK WITH 5 SQ. FEET BEARING AREA
19. UNDISTURBED EARTH
20. IN FROM SUPPLY
21. WIRING FOR ELECTRIC ALARM - BY ELECTRICIAN TO FIRE ALARM.

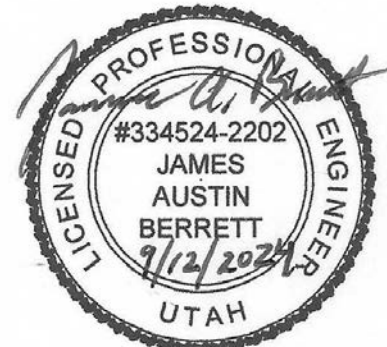
NOTE:

PROVIDE SLEEVES WHERE PIPING PENETRATES BUILDING AT FLOOR AND WALLS. SEAL AROUND PENETRATION WITH FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE AROUND AND RESTRAIN FLANGE SPIGOT.

GENERAL FIRE PROTECTION NOTES

1. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ELECTRICAL, SHEET METAL, PLUMBING, AND CEILING CONTRACTORS TO AVOID ANY CONFLICTS IN PIPE ROUTING OR HEAD LOCATIONS.
2. RUN SPRINKLING PIPING AS HIGH AS POSSIBLE IN JOIST SPACE ABOVE CEILING AND COORDINATE WITH DUCTWORK.
3. FIRE SPRINKLER PLANS SHALL BE APPROVED BY ALL GOVERNING AGENCIES PRIOR TO SUBMITTING PLANS TO THE ARCHITECT.
4. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE COMPLETE FIRE SPRINKLER SYSTEMS, INCLUDING ALL ITEMS AS REQUIRED OR RECOMMENDED BY ALL GOVERNING AGENCIES.
5. FIRE SPRINKLER SYSTEM SHALL COMPLY WITH N.F.P.A. 13, AND ALL GOVERNING AGENCIES.
6. PIPE SLEEVES THROUGH FIRE-RATED WALLS, PARTITIONS, AND CEILINGS SHALL BE OF FIRE RATED CONSTRUCTION. SPACE BETWEEN PIPE AND SLEEVE SHALL BE PACKED WITH FIREPROOF MATERIAL, U.L. LISTED. (FIRE SHIELDS, INC. MODEL DFB-CS)
7. FIRE SPRINKLER HEADS IN INDIVIDUAL ROOMS TO BE RUN IN STRAIGHT LINES AND COORDINATED WITH CEILING AND LIGHTS.
8. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS LOCATION OF PIPING VERY CAREFULLY WITH THE ARCHITECTURAL AND STRUCTURAL PLANS AND AS APPROVED BY THE ARCHITECT.
9. HEAD GUARDS TO BE PROVIDED IN ACCORDANCE WITH N.F.P.A.
10. FIRE SPRINKLER TEST VALVES TO BE LOCATED IN AREAS CONVENIENT TO MAINTENANCE PERSONNEL, BUT AWAY FROM PUBLIC ACCESS.
11. THE UTAH STATE FIRE MARSHALS OFFICE SHALL BE NOTIFIED (IN WRITING) AT LEAST THREE DAYS IN ADVANCE OF THE FOLLOWING:
  - A. HYDROSTATIC TEST AND FINAL INSPECTION OF OVERHEAD SYSTEMS PRIOR TO INSTALLATION OF CEILINGS.
  - B. FLUSHING OF UNDERGROUND PRIOR TO CONNECTION OF OVERHEAD.
  - C. HYDROSTATIC TEST AND FINAL INSPECTION OF UNDERGROUND PRIOR TO BACKFILLING.
12. CONTRACTOR SHALL FIELD VERIFY ALL PIPE LOCATIONS PRIOR TO FABRICATION OF PIPE SYSTEMS.
13. FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC ONLY.
14. FIRE PROTECTION CONTRACTOR SHALL COORDINATE ROUTING, HANGING AND BRACING WITH ROOF STRUCTURE. ALL FIRE SPRINKLER PIPING SHALL COMPLY WITH THE FOLLOWING:
  - A. ALL PIPING CONCENTRATED LOADS GREATER THAN 100 POUNDS SUPPORTED BY OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE LOCATED WITHIN 6 INCHES OF JOIST OR GIRDER PANEL POINTS OR THE JOIST OR GIRDER SHALL BE REINFORCED WITH AN ADDITIONAL WEB MEMBER. REFER TO GENERAL STRUCTURAL NOTES AND THE "TYPICAL DETAIL AT ADDITIONAL CONCENTRATED POINT LOAD" ON THE STRUCTURAL DRAWINGS.
  - B. CONCENTRATED POINT LOADS, SINGLE OR MULTIPLE, TOTALING 100 POUNDS OR LESS CAN BE LOCATED AT ANY POINT ALONG THE BOTTOM CHORD OF AN OPEN WEB JOIST OR GIRDER BETWEEN ADJACENT PANEL POINTS - WITHOUT MEETING THE REQUIREMENTS ABOVE. A LIMIT OF (4) CONCENTRATED 100# MAXIMUM POINT LOADS PER JOIST OR GIRDER SHALL BE PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
  - C. JOIST BRIDGING SHALL NEVER BE USED TO SUPPORT HANGING LOADS.
  - D. BRACING OF FIRE SPRINKLER PIPING TO THE BOTTOM CHORD OF JOISTS OR GIRDERS WILL NOT BE ALLOWED IN ANY INSTANCE. ALL LATERAL BRACES MUST CONNECT TO THE TOP FLANGE/TOP CHORD OF THE FRAMING MEMBER ABOVE UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
15. STEEL ROOF DECKING SHALL NOT BE USED TO SUPPORT LOADS FROM FIRE SPRINKLER ELEMENTS OR EQUIPMENT OF ANY KIND.
16. ALL FIRE SPRINKLER PIPING RUNNING IN OCCUPIED AREAS WITH EXPOSED STRUCTURE SHALL RUN WITH SLOPE OF ROOF DECK.
17. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE ANY CROSSOVERS OR DROPS AT MAIN CORRIDOR TO AVOID CONFLICTS WITH CLEARSTORY. DROPS & CROSSOVER LOCATIONS SHALL BE VERIFIED WITH PROJECT ARCHITECT PRIOR TO INSTALLATION.
18. ALL FIRE MAINS SHALL RUN ABOVE AREAS WITH CEILINGS. NO MAINS WILL BE ALLOWED IN OCCUPIED AREAS EXPOSED TO ROOF DECK.
19. IN EXPOSED AREAS THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE PIPING & HEAD LOCATIONS WITH HVAC ARCHITECTURAL REFLECTED CEILING PLANS, DUCTWORK, DIFFUSERS AND ALL LIGHTING LAYOUTS.
20. FIRE SPRINKLER HEADS IN ALL CORRIDORS SHALL BE INSTALLED DOWN THE CENTERLINE OF THE CORRIDOR.
21. ALL PIPE PENETRATIONS OF CONCRETE, CMU OR BRICK WALLS SHALL BE SLEEVED OR CORE CUT.
22. ALL PIPE PENETRATIONS OF SHEETROCK WALLS SHALL BE SAWCUT.
23. ALL PENETRATIONS AT 1 HOUR AND 2 HOUR WALLS SHALL BE FIRE CAULKED PER RATINGS REQUIRED. COORDINATE WITH LIFE SAFETY PLAN.
24. ALL FIRE HEADS AT CORRIDORS SHALL BE LOCATED AT CENTER OF TILE.
25. ALL FIRE HEADS AT CLASSROOM AND ADMINISTRATION AREAS SHALL BE LOCATED AT CENTER OF TILE AND 1/4 POINTS.

PROFESSIONAL STAMP



CONSULTANT INFORMATION



REVISIONS

DESCRIPTION	DATE

PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

DRAWING SET STATUS

BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE



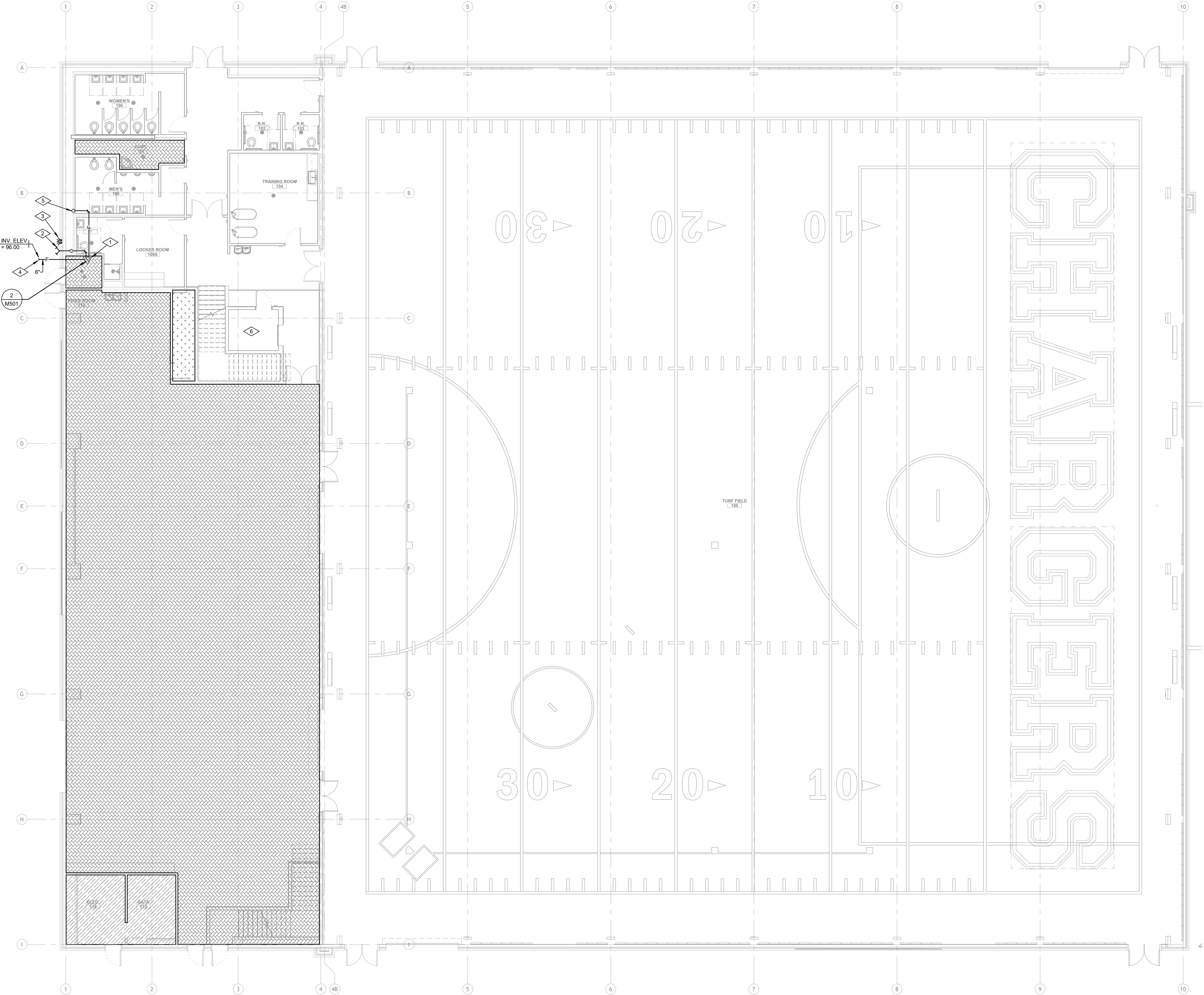
A

B

C

D

E



LEVEL 1 ALTERNATE - OVERALL FIRE PROTECTION PLAN

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

- 1 FIRE RISER. SEE DETAIL 2/FP501.
- 2 SIAMESE FIRE DEPARTMENT CONNECTION. PROVIDE BRASS CAPS PAINTED RED.
- 3 HORN / STROBE.
- 4 COORDINATE FINAL CONNECTION TO SITE UTILITIES.
- 5 RISE TO 2ND LEVEL.
- 6 ELEVATOR SHAFT.

FIRE PROTECTION LEGEND

- NO MARK

  - LIGHT HAZARD
  - LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
  - FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE
- LIGHT HAZARD
  - EXPOSED STRUCTURE (NO CEILING)
  - UPRIGHT BRASS HEADS ON EXPOSED PIPING
- ORDINARY HAZARD, GROUP 1
  - LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
  - FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.
- ORDINARY HAZARD, GROUP 1
  - EXPOSED STRUCTURE (NO CEILING)
  - UPRIGHT BRASS HEADS ON EXPOSED PIPING
- FIRE SPRINKLER RISER
- SPRINKLER ALARM BELL
- WALL MOUNTED SIAMESE FIRE DEPARTMENT CONNECTION

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMENTS

PROFESSIONAL STAMP



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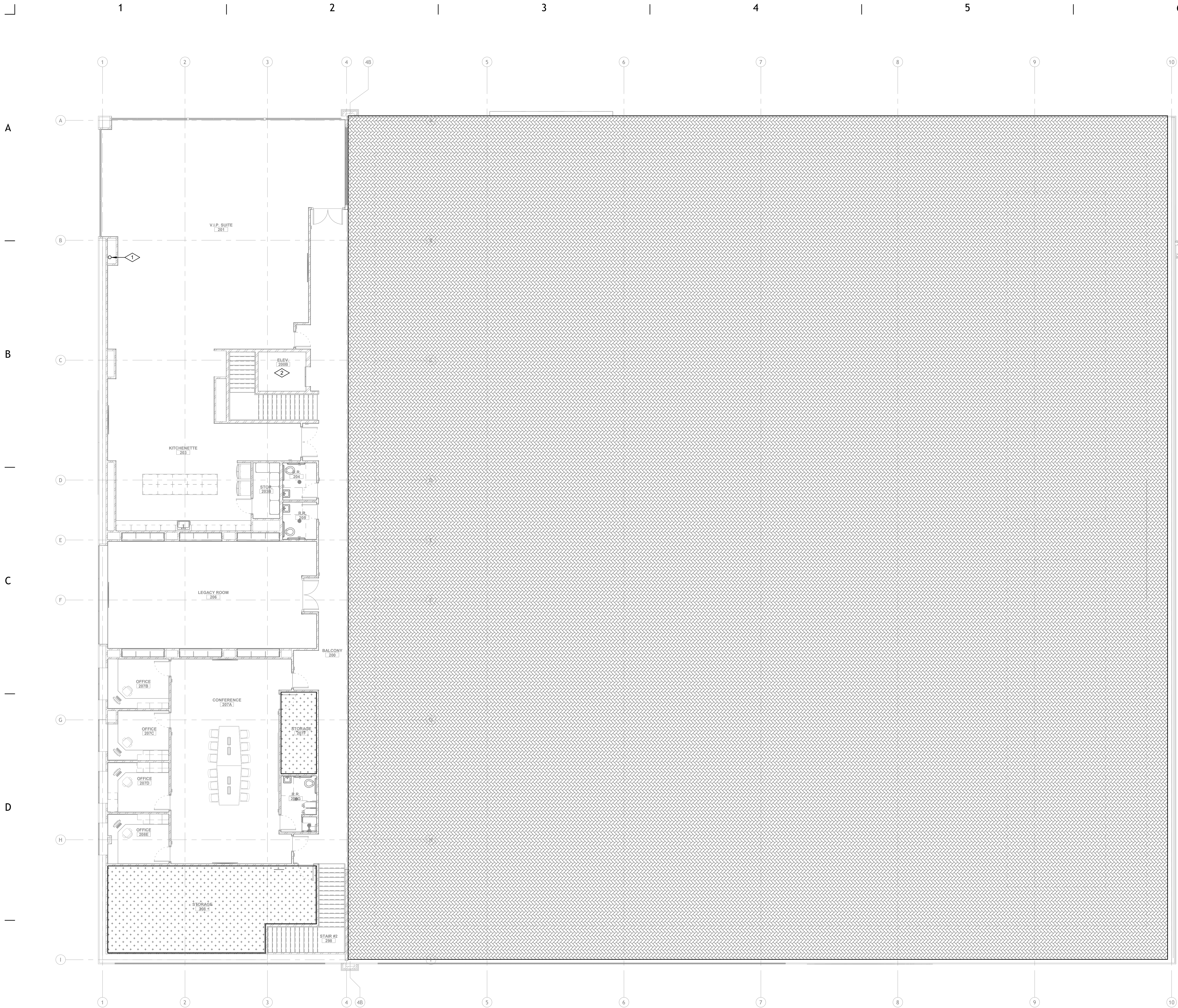
Level 1  
Alternate Fire  
Protection  
Plan

SHEET NUMBER

FP901



Autodesk Docs: /P/013 CCHS Fieldhouse & Soccer Field/03 - CCHS Fieldhouse & Soccer Field.rvt  
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## REFERENCE NOTES

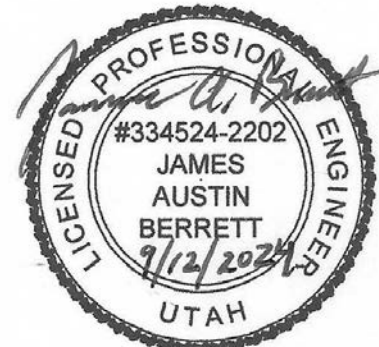
- FIRE MAIN UP FROM BELOW TO SERVE LEVEL 2. COORDINATE WITH ALL TRADES.
- ELEVATOR SHAFT.



233 SOUTH PLEASANT GROVE BLVD.  
SUITE #105  
PLEASANT GROVE, UTAH 84062  
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## PROFESSIONAL STAMP



## CONSULTANT INFORMATION



## FIRE PROTECTION LEGEND

- NO MARK
- LIGHT HAZARD  
LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)  
FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE
- LIGHT HAZARD  
EXPOSED STRUCTURE (NO CEILING)  
UPRIGHT BRASS HEADS ON EXPOSED PIPING
- ORDINARY HAZARD, GROUP 1  
LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)  
FLUSH TYPE FULLY RECESSED HEADS INSTALLED TIGHT TO CEILING WITH OFF-WHITE DISC SIMILAR TO "RELIABLE" G4QR QUICK RESPONSE TYPE.
- ORDINARY HAZARD, GROUP 1  
EXPOSED STRUCTURE (NO CEILING)  
UPRIGHT BRASS HEADS ON EXPOSED PIPING
- FIRE SPRINKLER RISER
- SPRINKLER ALARM BELL
- WALL MOUNTED SIAMESE FIRE DEPARTMENT CONNECTION

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS & PRE-FAB BUILDING REQUIREMENTS

PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12943 SOUTH 700 EAST  
DRAFTER, UTAH 84020

## REVISIONS

DESCRIPTION	DATE

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: KJM  
PIC: CLL

## DRAWING SET STATUS

## BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

## SHEET TITLE

Level 2  
Alternate Fire  
Protection  
Plan

## SHEET NUMBER

FP902



## A

## B

c

D

1

## 3

## 5

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FIRE  
BLU

## 7

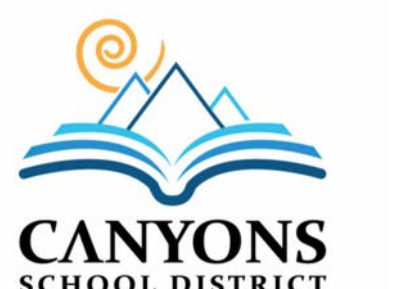
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RIGHT.

- PERT
- 
- D

PROFESSIONAL STAMP

BNA Proj. No. NNNNN



PROJECT TITLE AND ADDRESS

**CCCHS FIELDHOUSE & SOCCER FIELD**

943 SOUTH 700 EAST  
CANYON, UTAH 84020

PROJECT TITLE AND ADDRESS

943 SOUTH 700 EAST  
CAPER, UTAH 84020

[illegible]

<b>PROJECT INFORMATION</b>	
<b>DATE:</b>	SEPTEMBER 12, 2024
<b>PROJECT #:</b>	24-013
<b>PM / PA:</b>	BNA
<b>PIC:</b>	BNA

**DRAWING SET STATUS**

**BID SET**

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TO BE PRINTED IN COLOR

SHEET TITLE

## SYMBOLS

## SCHEDULES, AND NOTES

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**E001**

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## FLOOR BOX SCHEDULE

TYPE	DESCRIPTION	MFR.	CATALOG NUMBER
FB01	MULTI-SERVICE RECESSED EIGHT-COMPARTMENT FLOOR BOXES WITH (3) 1-GANG COMPARTMENTS FOR POWER, (1) 1-GANG COMPARTMENT FOR DATA, (2) 1-GANG COMPARTMENT FOR AV, (2) 1-GANG COMPARTMENT FOR AV WHERE INDICATED. INCLUDE MUDCAP, DEVICE PLATES, BLANK PLATES, MOUNTING BRACKETS, SPACERS AND COVER ASSEMBLIES. PROVIDE FLUSH TIE ASSEMBLIES. SEE SECTION 26 2726, WIRING DEVICES AND 27 1500 TELEPHONE/DATA SYSTEM. PROVIDE NUMBER OF DEVICES INDICATED IN DRAWINGS WITH A MINIMUM OF (3) DUPLEX RECEPTACLES, MINIMUM OF TYPE "E-2" DATA OUTLET, LAMP OUTLET, AND CONDUITS REQUIRED FOR AV INFRASTRUCTURE IN EACH FLOOR BOX. STUD (2) SPARE 1-1/4" CONDUIT FROM BOX TO ACCESSIBLE CEILING WITHIN ROOM AND LABEL "SPARE FLOOR BOX CONDUIT".	WIREMOLD	EFB8S-OG-SCBA-XX-XX

## LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

THE DRAWINGS SHOW GENERAL ZONING INTENT. THE BIDDING CONTRACTOR ALONG WITH THE LIGHTING CONTROLS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND OCCUPANT COMFORT, MEETING IECC 2021 REQUIREMENTS.

- LIGHTING WILL PREPARE FOLLOW UP MASTER CLOCK SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH TOUCH PANELS FOR FINE-TUNING.
- 0-10V DIMMING WILL BE AVAILABLE ON ALL APPLICABLE LUMINAIRES FOR SMOOTH LIGHT LEVEL ADJUSTMENTS.
- OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, VESTIBULES) AFTER PERIODS OF INACTIVITY (15 MINUTES).
- TYPICAL ROOM CONTROLLER STYLE BASED LIGHTING CONTROLLER (NON-NETWORKED), PROVIDE REQUIRED RELAYS AND END DEVICES AS NEEDED E.G. OCCUPANCY SENSORS, DAYLIGHT SENSORS, WALLSTATIONS, ETC.

## GENERAL PRINCIPLES:

- ALL INDOOR AND OUTDOOR LIGHTING WILL BE CONTROLLED BY A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND OCCUPANT COMFORT, MEETING IECC 2021 REQUIREMENTS.
- LIGHTING WILL PREPARE FOLLOW UP MASTER CLOCK SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH TOUCH PANELS FOR FINE-TUNING.
- 0-10V DIMMING WILL BE AVAILABLE ON ALL APPLICABLE LUMINAIRES FOR SMOOTH LIGHT LEVEL ADJUSTMENTS.
- OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, VESTIBULES) AFTER PERIODS OF INACTIVITY (15 MINUTES).
- TYPICAL ROOM CONTROLLER STYLE BASED LIGHTING CONTROLLER (NON-NETWORKED), PROVIDE REQUIRED RELAYS AND END DEVICES AS NEEDED E.G. OCCUPANCY SENSORS, DAYLIGHT SENSORS, WALLSTATIONS, ETC.

## SPECIFIC AREAS:

- CORRIDORS:**
  - LIGHTS AUTOMATICALLY TURN ON TO 100% WHEN USER ENTERS, WITH 50% DIM LEVEL TRIGGERED BY OCCUPANCY SENSORS AFTER 15 MINUTES OF INACTIVITY.

## EGRESS CORRIDORS:

- LIGHTS AUTOMATICALLY TURN ON TO 100% WHEN USER ENTERS, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.

## WASHROOMS:

- OCCUPANCY: LIGHTS AUTOMATICALLY TURN OFF AFTER VACATED 15 MINUTES.

## OFFICES:

- ROOM CONTROLLER BASED SYSTEM WITH OCCUPANCY THAT MANAGE OFFICE LIGHTING. LIGHTS AUTOMATICALLY TURN ON TO DAYLIGHT LEVEL WHEN USER ENTERS, AND LIGHTS WILL AUTOMATICALLY TURN OFF 30 MINUTES AFTER VACATED.
- TOGGLE CONTROL BETWEEN ON/OFF: 0-10V DIMMING, RAISE AND LOWER.

## BUILDING ENTRY SOFFITS- RELAY CONTROLLED:

- FOLLOWS THE MASTER CLOCK SCHEDULE WITH ASTRONOMICAL OVERRIDE (DUSK ON AND DAWN OFF) AND ADDITIONAL OVERRIDE (DUSK ON/11:00 PM OFF, 5 AM ON/DAWN OFF).

## BUILDING FACADE/WALL PACKS- RELAY CONTROLLED:

- FOLLOWS THE MASTER CLOCK SCHEDULE WITH TOUCH PANEL OVERRIDE AND ASTRONOMICAL OVERRIDE (DUSK ON).
- LIGHTS DIM TO 50% AFTER 10 PM AND TURN OFF AT DAWN.

## RC1 WALLSTATION:

- A. ALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
- B. RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
- C. ALL OFF: TURNS OFF ALL LIGHTING LOADS.

## LOCAL WALLSTATION CONTROLS:

- 1. LC1 WALLSTATION (FIELD):**
  - A. ALL ON: BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
  - B. RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
  - C. ALL OFF: BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

## 2. LC2 WALLSTATION (FIELD):

- A. N FIELD ON: BUTTON SHALL TOGGLE ON ALL RELAYS FOR GENERAL NORTH PRACTICE FIELD LIGHTING.
- B. N RAISE/LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF DIMMING ZONES WITHIN THE NORTH PORTION OF THE FIELD.
- C. S FIELD ON: BUTTON SHALL TOGGLE ON ALL RELAYS FOR GENERAL SOUTH PRACTICE FIELD LIGHTING.
- D. S RAISE/LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF DIMMING ZONES WITHIN THE SOUTH PORTION OF THE FIELD.

## 3. LC3 WALLSTATION (WEIGHT ROOM):

- A. ALL ON: BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
- B. RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
- C. ALL OFF: BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

## COMPLIANCE:

THIS NARRATIVE OUTLINES A LIGHTING CONTROL SYSTEM THAT COMPLIES WITH THE LATEST IECC 2021 REQUIREMENTS, EMPHASIZING AUTOMATED CONTROLS, DAYLIGHT HARVESTING, AND ENERGY EFFICIENT DIMMING BASED ON OCCUPANCY AND AMBIENT LIGHT LEVELS. THIS APPROACH HELPS MINIMIZE ENERGY CONSUMPTION WHILE ENSURING ADEQUATE LIGHTING FOR OCCUPANT SAFETY AND COMFORT.

EMERGENCY LIGHTING AND IBC/IECC COMPLIANCE IN ADDITION TO THE STANDARD LIGHTING CONTROL SYSTEM. THE PROJECT WILL INCLUDE AN EMERGENCY LIGHTING SYSTEM DESIGNED TO MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). THIS SYSTEM PRIORITIZES OCCUPANT SAFETY AND EGRESS DURING POWER OUTAGES.

## EMERGENCY LIGHTING FEATURES:

- AUTOMATIC ACTIVATION UPON DETECTION OF A POWER FAILURE. EMERGENCY LIGHTS WILL AUTOMATICALLY SWITCH ON TO 100% BRIGHTNESS WITHIN THE FACILITY.
- EXIT PATH ILLUMINATION WILL BE STRATEGICALLY PLACED TO EFFECTIVELY ILLUMINATE ALL DESIGNATED EXIT PATHS AND STAIRWELLS, FACILITATING SAFE EVACUATION.
- COMPLIANCE AND INSPECTION: THE EMERGENCY LIGHTING SYSTEM WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH IBC AND IECC REQUIREMENTS, AND WILL BE SUBJECT TO REGULAR INSPECTIONS TO ENSURE PROPER FUNCTIONALITY.

## ADDITIONAL NOTES:

- THE SPECIFIED TIME DELAYS AND LIGHT LEVELS CAN BE ADJUSTED TO SUIT THE SPECIFIC NEEDS OF THE BUILDING AND OCCUPANTS. AFTER 2 MONTHS OF OCCUPANCY, LIGHTING PROGRAMMER SHALL RETURN TO MAKE ADJUSTMENTS PER THE OWNERS REQUEST.

## GENERAL NOTES

- PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IECC 2018 OR CURRENT ENERGY CODE.
- CONFIRM SWITCHING AND PROGRAMMING SCHEME WITH OWNER PRIOR TO PROGRAMMING.
- PROGRAM SYSTEM TO INCORPORATE AUTO DAYLIGHT SAVINGS ADJUSTMENTS, ASTRONOMICAL CLOCK WITH OFFSETS, HOLIDAY DATES, AND NETWORK OVERRIDE.
- REFER TO WALLSTATION DIAGRAMS FOR FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS, DEVICE AND COVERPLATE COLORS SELECTED BY ARCHITECT.
- SUBMIT ALL WALLSTATION LAYOUTS, ENGRAVING AND CONTROL SEQUENCES DURING THE SHOP DRAWINGS REVIEW PROCESS.
- PROVIDE RELEY BARRIER FOR VOLTAGE AND POWER SOURCE SEPARATION (EMERGENCY AND NORMAL CIRCUITS, VOLTAGE DIFFERENCES).
- SYSTEM MUST INTERFACE WITH NEW OR EXISTING ENERGY MANAGEMENT SYSTEMS (BMS). PROVIDE SYSTEM CONSISTING WITH MONITORS(S), COMMUNICATIONS EQUIPMENT, A CONTROLLER(S), TIMER(S), OR OTHER DEVICES) THAT MONITOR AND/OR CONTROL AN ELECTRICAL LOAD OR POWER PRODUCTION OR STORAGE SOURCE. COORDINATE EXACT TIE-IN POINTS AND COMMUNICATION PROTOCOL/MODULES REQUIRED. PROGRAM ACCORDINGLY AND PER OWNERS REQUIREMENTS.

## CONTROL ROUGH-IN NOTES

- DIVISION-26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. REFER TO DIVISION 21-23 DRAWINGS AND COORDINATE WITH CONTROLS CONTRACTOR TO VERIFY EXACT LOCATION OF ALL THERMOSTATS. PROVIDE ELECTRICAL BOXES, METAL CONDUIT, TUBING, AND FITTINGS OF TYPES, GRADES, SIZES, AND WEIGHTS (WALL THICKNESS) AS INDICATED, WITH MINIMUM TRADE SIZE OF 3/4". SURFACE MOUNTED RACEWAY IN FINISH AREAS IS NOT ALLOWED.
- ELECTRICAL CONTRACTOR SHALL VERIFY ALL CONDUIT AND ROUGH-IN REQUIREMENTS PRIOR TO ANY ROUGH-IN OF THERMOSTAT PATHWAYS, AND ELECTRICAL CONTRACTOR SHALL HAVE THE FINAL RESPONSIBILITY FOR PROPERLY COORDINATING THE ELECTRICAL WORK, INCLUDING THE EXACT LOCATION OF THE THERMOSTATS. OBTAIN SUBMITTALS OF ALL WALL MOUNTED THERMOSTATS FROM CONTROLS CONTRACTOR AND DIVISION 21 THROUGH 23 CONTRACTOR(S).
- NOTIFY ENGINEER OF ANY MODIFICATIONS BETWEEN CONTRACT DOCUMENTS AND SUBMITTALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE DOCUMENTS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL THEIR OWN BLOCKOUTS AND COORDINATING THEIR SPACE OF A SHARED BLOCKOUT.
- COORDINATE ALL INTERFACES BETWEEN MECHANICAL/TEMPERATURE CONTROLS AND ELECTRICAL/COMMUNICATIONS/SECURITY DIVISIONS BEFORE SUBMITTING ANY EQUIPMENT FOR REVIEW OR BEGINNING INSTALLATION.

## EQUIPMENT SCHEDULE

## CONNECTION TYPE NOTES:

- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- BREAKER IN ENCLOSURE
- MANUAL STARTER WITH THERMAL OVERLOAD
- MAGNETIC STARTER
- MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
- MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
- MAGNETIC STARTER/BREAKER COMBINATION
- VARIABLE FREQUENCY DRIVE
- REDUCED VOLTAGE STARTER
- DIRECT CONNECTION
- RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC
- TWO-SPEED STARTER, COORDINATE WITH MOTOR TYPE
- SOLID STATE SOFT-STARTER

## RESPONSIBILITY LEGEND:

- FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16)
- FURNISHED, INSTALLED UNDER ANOTHER DIVISION, REQUIRED CONNECTION UNDER DIVISION 26(16)
- FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16)
- FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION

CB = CIRCUIT BREAKER

NOTE: 1. PER 200.120(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN THE PHASE CONDUCTOR.  
NOTE 2: OVERCURRENT PROTECTION DEVICE (OCPD) SHOWN IS LOCATED AT POWER PANEL ALL FUSING TO BE SIZED IN ACCORDANCE WITH FUSE MFR RECOMMENDATION FOR MOTOR NAME PLATE RATING.  
NOTE 3: ALL EQUIPMENT TO BE RATED FOR THE ENVIRONMENT FOR WHICH IT IS INSTALLED.

ELECTRICAL EQUIPMENT INFORMATION																		WIRE		OCPD		REMARKS
UNIT	#	DESCRIPTION	LOAD					PHASE	FULL LOAD AMPS	CONDUIT SIZE	SETS	QTY	SIZE	EQ. GROUND	TYPE	AMPS	STARTER/DISC/VFD OTHER (SEE NOTES)					
			HP	FLA	MCA	VA	VOLTAGE															
		SCORE BOARD CONNECTION	0.00	93.0	0.0	0.0	208 V	1	93.0 A	1 1/2"	1	2	1/0	6	CB	150 A	2 A	do not used				
		SCORE BOARD CONNECTION	0.00	0.0	0.0	0.0	208 V	3	0.0 A	0"	0	3	Error	Error	CB	0.0 A	11 A	do not used				
AC	1	AC OUTDOOR UNIT	0.00	0.0	0.0	0.0	120 V	1	0.0 A	0"	0	2	Error	Error	CB	0.0 A	0.0	do not used				
ACI	1	AC DOOR UNIT	0.00	0.0	0.0	0.0	208 V	1	0.0 A	3/4"	1	2	12	12	CB	15 A	2 A					
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0.0	0.0	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A					
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0.0	0.0	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A	do not used				
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0.0	0.0	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A					
ATC	1	ATU CONTROL PANEL	0.00	0.4 A	0.0	0.0	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	11 A					
ATU	1	AIR TURNOVER UNIT	15.00	0.0	0.0	0.0	0 V	480 V	3	21.0 A	3/4"	1	3	10	10	CB	35 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO ATU CONTROL PANEL. REFER TO DIV. 23 FOR LOCATION.			
CP	1	RECIRCULATING PUMP	0.25	0.0	0.0	0.0	120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	11 A					
CP	1	RECIRCULATING PUMP	0.25	0.0	0.0	0.0	120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	11 A					
DF	1	DE-STRAT FAN	0.00	0.4 A	0.0	0.0	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	4 A					
DF	1	DE-STRAT FAN	0.00	0.4 A	0.0	0.0	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	4 A					
DF	1	DE-STRAT FAN	0.00	0.4 A	0.0	0.0	120 V	1	0.4 A	3/4"	1	2	12	12	CB	15 A	4 A					
EC	1	EVAPORATIVE COOLER	1.50	0.0	0.0	0.0	0 V	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.			
EC	1	EVAPORATIVE COOLER	1.50	0.0	0.0	0.0	0 V	480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7 A	DIV. 26 TO PROVIDE CONDUIT AND WIRING TO EVAP CONTROL LOCATION. REFER TO DIV. 23 FOR LOCATION. DIV. 26 TO EXTEND WIRING TO MOTORIZED CONTROL DAMPER L-1.			
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## SECURITY GENERAL NOTES

1. (ACCESS CONTROL SYSTEM) PRIOR TO STARTING ANY WORK OR ROUGH-IN THE DIV 28 INSTALLATION CONTRACTOR SHALL COORDINATE A MEETING WITH THE SCHOOL DISTRICT, THE DIV 8 DOOR HARDWARE CONTRACTOR, AND THE DIV 26 ELECTRICAL CONTRACTOR TO REVIEW AND DISCUSS:  
A. THE DIV 8 DOOR HARDWARE SPECIFICATIONS AND DOOR ROUGH-IN REQUIREMENTS.  
B. WHAT ELECTRIFIED DOOR HARDWARE IS GETTING INSTALLED ON EACH DOOR.  
C. THE SPECIFIED ACCESS CONTROL, CABLING, AND ITS OUTER JACKETING COLOR.  
D. THE SPECIFIED RACEWAY TO BE INSTALLED.  
E. THE FAIL-SAFE OR FAIL-SECURE OPERATION FOR THE ELECTRIFIED DOOR HARDWARE EQUIPMENT.  
F. HOW ADA EQUIPMENT WILL NEED TO FUNCTION AND OPERATE WITH THE ACCESS CONTROL SYSTEM AND EQUIPMENT.  
G. THE POWER REQUIREMENTS FOR ALL OF THE ELECTRIFIED HARDWARE EQUIPMENT.  
H. HOW EACH DOOR THAT HAS ELECTRIFIED DOOR HARDWARE WILL NEED TO BE PROGRAMMED TO FUNCTION DURING BUSINESS HOURS, AFTER HOURS, SCHEDULED TIMES, LOCKDOWNS, EMERGENCY SITUATIONS, FIRE ALARMS, ETC.  
I. THE FIRE ALARM INTERFACE WITH THE ACCESS CONTROL SYSTEM, AND THE EQUIPMENT THAT IS NEEDED TO CONFIRM WHICH WALLS IN THE TELEDATA ROOM #116 THE ACCESS CONTROL HEAD-END PANEL, THE ELECTRIFIED DOOR HARDWARE POWER SUPPLY PANEL, AND THE INTRUSION DETECTION HEAD-END PANEL SHOULD BE MOUNTED ON.  
K. CONFIRM WHICH EMERGENCY ELECTRICAL CIRCUIT THE ACCESS CONTROL HEAD-END PANELS AND ELECTRIFIED DOOR HARDWARE POWER SUPPLIES ARE CURCUTTED TO.  
L. CONFIRM WITH THE OWNER AND THE DIV 8 CONTRACTOR THAT THE DIV 28 CONTRACTOR WILL BE PROVIDING THE DOOR POSITION CONTACTS FOR THE ACCESS CONTROL SYSTEM AND THE INTRUSION DETECTION SYSTEM.
2. (IP VIDEO SURVEILLANCE SYSTEM) PRIOR TO STARTING ANY WORK OR ROUGH-IN THE DIV 28 INSTALLATION CONTRACTOR SHALL COORDINATE A MEETING WITH THE SCHOOL DISTRICT AND THE DIV 26 ELECTRICAL CONTRACTOR TO REVIEW & DISCUSS:  
A. THE ROUGH-IN REQUIREMENTS FOR EACH IP SURVEILLANCE CAMERA.  
B. EACH IP SURVEILLANCE CAMERA LOCATION, HEIGHT, ORIENTATION, AND VIEW.  
C. THE SPECIFIED CATEGORY CABLING, AND ITS OUTER JACKETING COLOR.  
D. THE SPECIFIED RACEWAY TO BE INSTALLED.  
E. WHICH TELECOMMUNICATIONS EQUIPMENT RACKS WILL ALL OF THE SPECIFIED CATEGORY CABLING AND THE VIDEO SURVEILLANCE EQUIPMENT WILL NEED TO BE INSTALLED INTO.  
F. ALL OF THE CORRECT AND NECESSARY HARDWARE AND MOUNTING EQUIPMENT FOR EACH IP SURVEILLANCE CAMERA AND VIDEO SURVEILLANCE EQUIPMENT.
3. PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS IN ORDER TO PROVIDE A COMPLETE AND A FULLY FUNCTIONAL ACCESS CONTROL, VIDEO SURVEILLANCE, AND INTRUSION DETECTION SYSTEMS.
4. THE DIV 28 CONTRACTOR(S) SHALL CAREFULLY REVIEW THE REFLECTED CEILING PLANS, MILLWORK PLANS, AND ARCHITECTURAL ELEVATIONS FOR COMPONENT INSTALLATION.
5. THE DIV 28 ACCESS CONTROL CONTRACTOR SHALL CAREFULLY REVIEW THE DIV 8 DOOR HARDWARE SPECIFICATION AND SUBMITTALS AND SUMMARIZE ANY DISCREPANCIES IN WRITING TO THE TEAM.
6. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTORS RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID.
7. PROVIDE FIRE ALARM INTERFACE TO UNLOCK ALL INDICATED LOCKS UPON ANY FIRE ALARM INITIATION.
8. THE SECURITY CONTRACTORS SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO STARTING ANY WORK TO ENSURE A COMPLETE RACEWAY INSTALLATION IS PROVIDED AND CORRECTLY INSTALLED.
9. ALL CABLING TO END DEVICES THAT ARE INSTALLED WITHIN THE DOOR OR ON A DOOR FRAME MULLION SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE INSTALLATION WITH THE DOOR/WINDOW SYSTEM INSTALLER PRIOR TO ANY ROUGH-IN. MULLION MOUNTED CREDENTIAL CARD READERS DO NOT REQUIRE A BACK BOX.
10. THE ACCESS CONTROL SYSTEM SHALL INCLUDE ANY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES, AND INPUT/OUTPUT MODULES REQUIRED TO SUPPORT THE SPECIFIED DOOR TYPES, ENSURING A COMPLETE AND FUNCTIONING CARD READER AND DOOR CONTROL SYSTEM.
11. ALL FINAL CAMERA VIEWS SHALL BE APPROVED BY THE OWNER PRIOR TO PROJECT COMPLETION.
12. ALL PENETRATIONS THROUGH FIRE-RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIALS TO MAINTAIN THE FIRE RATING OF THE PENETRATED SURFACE.
13. COORDINATE WITH THE OWNER AND REFERENCE EACH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS AND THE CODE REQUIREMENTS FOR THE SETUP, PROGRAMMING, AND THE INTEGRATION BETWEEN THE VIDEO SURVEILLANCE SYSTEM, ACCESS CONTROL SYSTEM, INTRUSION DETECTION SYSTEM, FIRE ALARM SYSTEM, ADA EQUIPMENT, ETC.
14. THE DIV 28 VIDEO SURVEILLANCE CONTRACTOR SHALL PROVIDE AN INTERACTIVE MAP IN THE VIDEO SURVEILLANCE SYSTEM OPERATING/MANAGEMENT SOFTWARE WITH CAMERAS AND ACCESS CONTROL DEVICES.
15. THE INSTALLATION CONTRACTORS SHALL PROMPTLY NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK IF ANY OF THE SECURITY DEVICE LOCATIONS THAT ARE SHOWN IN THE SECURITY DRAWINGS SHEET ARE OBSTRUCTED.
16. EQUIPMENT LISTS ARE PROVIDED TO SET EQUIPMENT EXPECTATIONS AND MAY NOT BE COMPLETE. COORDINATE WITH DEVICES SHOWN ON DRAWINGS, SYSTEM RISERS, SPECIFICATIONS, AND EQUIPMENT LIST FOR SYSTEM INTENT. PROVIDE COMPLETE AND FULLY FUNCTIONAL SYSTEMS AS DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS.
17. INSTALL AND PROGRAM THE ACCESS CONTROL SYSTEM, THE IP VIDEO SURVEILLANCE SYSTEM, AND THE INTRUSION DETECTION SYSTEM TO THE MANUFACTURERS INSTRUCTIONS AND SPECIFICATIONS, TO INDUSTRIES STANDARDS, AND TO THE OWNERS REQUIREMENTS.

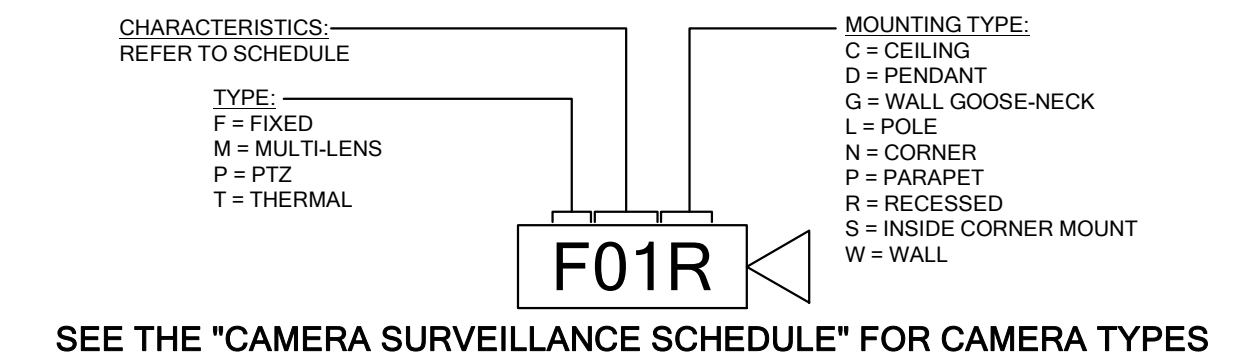
## ACCESS CONTROL TYPE SCHEDULE

CR: ACCESS CONTROL CREDENTIAL CARD READER		KCR: ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD				DC: ACCESS CONTROL DOOR CONTACT				PE: PUSH TO EXIT BUTTON	
BR: ACCESS CONTROL BIOMETRIC READER		ICR: INTEGRATED LOCKSET WITH CREDENTIAL CARD READER				DP: INTRUSION DETECTION DOOR CONTACT				RX: REQUEST TO EXIT MOTION	
TYPE	DOOR DESCRIPTION	CREDENTIAL				DOOR CONTACT			EXIT DEVICES		NOTES
A	SINGLE DOOR	CR	BR	KCR	ICR	DC	DP		PE	RX	REFER TO THE SECURITY GENERAL NOTES #1
B	SINGLE DOOR	1	0	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
C	SINGLE DOOR	0	0	0	0	0	1	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
F	DOUBLE DOOR	1	0	0	0	2	2	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
G	DOUBLE DOOR	1	0	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
H	ELEVATOR	1	0	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
J	GARAGE DOOR	0	0	0	0	0	1	0	0	0	REFER TO THE SECURITY GENERAL NOTES #1
K	ROOF ACCESS DOOR/HATCH	0	0	0	0	0	1		0	0	REFER TO THE SECURITY GENERAL NOTES #1

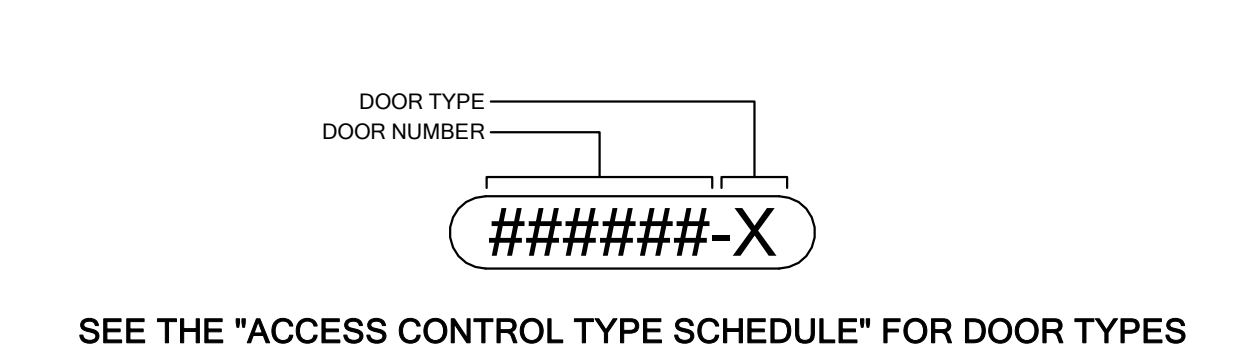
## CAMERA SURVEILLANCE TYPE SCHEDULE

TYPE	DESCRIPTION	MANFR.	CAT NO.	NOTES
F01C	INDOOR DAY/NIGHT VARIFOCAL FIXED DOME CAMERA - CEILING MOUNTED	AXIS	P3265-LV	REFER TO THE SECURITY GENERAL NOTES #2
F01W	INDOOR DAY/NIGHT VARIFOCAL FIXED DOME CAMERA - WALL MOUNTED	AXIS	P3265-LV	REFER TO THE SECURITY GENERAL NOTES #2
M01C	MULTI-LENS (4) OUTDOOR/INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - CEILING MOUNTED	AXIS	P3737-FLE	REFER TO THE SECURITY GENERAL NOTES #2
M01N	MULTI-LENS (4) OUTDOOR/INDOOR DAY/NIGHT VARIFOCAL DOME CAMERA - CORNER MOUNTED	AXIS	P3737-FLE	REFER TO THE SECURITY GENERAL NOTES #2

## CAMERA SURVEILLANCE TAG LEGEND



## ACCESS CONTROL TAG LEGEND



## SECURITY SHEET INDEX

E401	MAIN LEVEL SYSTEM FLOOR PLAN
E402	SYSTEM MAIN FLOOR AND ALTERNATE FLOOR PLAN
E403	SYSTEM DIAGRAMS

## LOW VOLTAGE SCOPE OF WORK

DESCRIPTION	FURNISHED BY	INSTALLED BY
GENERAL		
EQUIPMENT POWER (120V, 208V, 240V, 277V, 480V)	EC	EC
ROUGH OR FINISHED TRIM, CASEWORK, MILLWORK, EQUIPMENT RACK PEDESTALS, STRUCTURAL WORK FOR SPECIAL CONSTRUCTION	GC	GC
STRUCTURAL BACKING AND SUPPORT FOR WALL MOUNTED EQUIPMENT	GC	GC
SUPPORT CABLES, PRE-CONSTRUCTION KITS, TILE BRIDGES AND/OR BACK BOXES FOR CEILING MOUNTED DEVICES.	EC	EC
ACCESS CONTROL SYSTEM		
ACCESS CONTROL OPERATING SOFTWARE	AC	AC
ACCESS CONTROL SERVER	OWN	OWN
ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL(S), AND POWER SUPPLY(S)	AC	AC
CREDENTIALS (E.G. CARDS, FOBs, TAGS, MOBILE CREDENTIALS)	AC	AC
INSTALLATION OF ACCESS CONTROL CABLING	AC	AC
TERMINATING AND TESTING THE ACCESS CONTROL CABLES	AC	AC
INDIVIDUAL ACCESS CONTROL DOOR CONTROLLERS (IF APPLICABLE)	AC	AC
END DEVICES (E.G. CREDENTIAL CARD READERS, DOOR POSITION CONTACTS, REQUEST TO EXIT MOTIONS, PUSH TO EXIT BUTTONS, DESK DOOR RELEASE BUTTONS, DESK PANIC / DURESS/LOCKDOWN BUTTONS, ETC.)	AC	AC
RECHARGABLE SEALED LEAD ACID BACK-UP BATTERIES	AC	AC
CREDENTIAL CARD/BADGE PRINTER	AC	AC
ELECTRIFIED LOCKING DOOR HARDWARE	DC	DC
EXTERIOR EQUIPMENT PEDESTALS AND ENCLOSURES	EC	EC
IP TWO-WAY AUDIO VIDEO INTERCOM SYSTEM (EXTERIOR STATIONS, ANSWERING BASE STATIONS, IP LICENSES)	AC	AC
NETWORK EQUIPMENT SPECIFICALLY FOR THE ACCESS CONTROL SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	AC	AC
OPERATING BASE STATION AND WORK STATION EQUIPMENT (COMPUTER SERVER, MONITOR, KEYBOARD, MOUSE)	OWN	OWN
POWER SUPPLIES FOR ELECTRIFIED LOCKING DOOR HARDWARE	AC	AC
AUDIOVISUAL		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
SPECIALTY BACK BOXES, TILE BRIDGES, SUPPORT CABLES, PRECONSTRUCTION KITS, ETC. FOR AUDIOVISUAL COMPONENTS (TOUCH PANELS, LOUDSPEAKERS, KEYPADS, ETC.)	AV	AV
CATEGORY CABLE / FIBER OPTIC CABLE FROM DEVICE LOCATION TO TR(MDF)/ER(IDF)	LVC	LVC
CATEGORY CABLING FROM DEVICE TO DEVICE, NOT TERMINATED IN PATCH PANELS WITHIN THE ER(MDF/TR(IDF)	AV	AV
COAXIAL CABLE	LVC	LVC
LIGHTING CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM CONTROLLER BY AV INSTALLER	EC	EC
MOTORIZED SHADE CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM	AV	AV
CUSTOM AUDIOVISUAL CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	AV	AV
EQUIPMENT RACKS NOT WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	AV	AV
FURNITURE BOX TABLE CUTTING	GC	GC
FURNITURE BOXES WITH AUDIOVISUAL CONNECTIONS AND/OR CABLES	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED HOUSING	AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED ROLLER	AV	AV
PROJECTOR SCREEN, FIXED FRAME (SIMILAR TO WHITEBOARD)	GC	GC
FLAT PANEL MONITOR MOUNTS	AV	AV
FLAT PANEL MONITORS	AV	AV
INSTRUCTORS LECTERNS/CONSOLES WITH INTEGRATED AUDIOVISUAL SYSTEMS COMPONENTS	AV	AV
INTERACTIVE FLAT PANEL MONITORS AND MOUNTS	AV	AV
NETWORK SWITCHES WITHIN THE ER(MDF)/TR(IDF) FOR AUDIOVISUAL NETWORK, AUDIO, CONTROL AND VIDEO	OWNER	OWNER
VIDEO PROJECTOR	AV	AV
VIDEO PROJECTOR MOUNTS	AV	AV
INTRUSION DETECTION SYSTEM (BURGLAR ALARM)		
ANY INTRUSION DETECTION WIRELESS EQUIPMENT (RECEIVERS, REPEATERS, TRANSMITTERS, ETC.)	IC	IC
CELLULAR BACKUP COMMUNICATOR	IC	IC
END DEVICES (E.G. DOOR, WINDOW, GARAGE CONTACTS, MOTION, GLASS BREAK DETECTORS, SMOKE, HEAT DETECTORS, TEMPERATURE, MOISTURE, LEAK SENSORS, ETC.)	IC	IC
INTERIOR/EXTERIOR SIRENS AND/OR STROBES	IC	IC
INTRUSION DETECTION (AFRMO/ISARM) ALPHA KEYPADS(S)	IC	IC
INTRUSION DETECTION HEAD-END CONTROL PANEL & SLAVE PANELS	IC	IC
INTRUSION DETECTION LOW VOLTAGE CABLING	IC	IC
RECHARGABLE BACK UP BATTERY(S)	IC	IC
TERMINATING AND TESTING LOW VOLTAGE CABLES	IC	IC
IP CAMERAS AND VIDEO SURVEILLANCE SYSTEM		
NETWORK VIDEO RECORDER (NVR)	SC	SC
VIDEO MANAGEMENT SYSTEM (VMS) OPERATING SOFTWARE	SC	SC
VIDEO ANALYTIC SOFTWARE AND LICENSING	SC	SC
IP SURVEILLANCE CAMERA MOUNTS, MOUNTING HARDWARE AND EQUIPMENT	SC	SC
IP SURVEILLANCE CAMERA SOFTWARE LICENSES	SC	SC
IP SURVEILLANCE CAMERAS	SC	SC
MICRO SDXC MEMORY CARD(S) FOR IP SURVEILLANCE CAMERAS	SC	SC
IN-LINE CAT6 CATEGORY CABLE SURGE PROTECTORS, POWER SURGE & SUPPRESSION EQUIPMENT, AND UNINTERRUPTIBLE POWER SUPPLY (UPS)	SC	SC
IP SURVEILLANCE CAMERA ETHERNET EXTENDERS, POE INJECTORS, AND POWER SUPPLIES	SC	SC
NETWORK EQUIPMENT SPECIFICALLY FOR THE IP VIDEO SURVEILLANCE SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENET RACKS, ETC.)	OWNER	OWNER
SPECIFIED CATEGORY CABLE AND FIBER OPTIC CABLE	LVC	LVC
TERMINATING AND TESTING THE SPECIFIED CATEGORY CABLING AND FIBER OPTIC CABLING	LVC	LVC
TELEPHONE / DATA		
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.	EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE	LVC	LVC
PATCH CABLES FOR DEVICES WITHIN THE TRIER FOR CONNECTION BETWEEN PATCH PANELS AND NETWORK SWITCHES	LVC	LVC
TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING	LVC	LVC
CUSTOM TELECOMMUNICATIONS CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES	EC	EC
DATA SWITCHES, SERVERS, FIREWALL, ETC	OWNER	OWNER
EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS	LVC	LVC
RACK MOUNT UPS, POWER DISTRIBUTION UNIT (PDU)	LVC	LVC
WIRELESS ACCESS POINTS	OWNER	OWNER



### REVISIONS

DESCRIPTION	DATE

### PROJECT INFORMATION

DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

### DRAWING SET STATUS

### BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

### SHEET TITLE

## SYMBOLS,SCHEDULES AND NOTES

### SHEET NUMBER

E003



GENERAL SITE PLAN NOTES

1. DIVISION 26 SHALL VISIT THE SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTIONS AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM. DIVISION 26 SHALL COORDINATE PROJECT PHASING WITH GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO CONTRACT EXPECTATIONS.

2. MAINTAIN AND PROTECT EXISTING UTILITY SERVICES AND ELECTRIFIED EQUIPMENT FOR EXISTING FACILITIES. COORDINATE REQUIRED DISRUPTION OF THESE SERVICES WITH OWNER PRIOR TO DISCONNECTING. PROVIDE TEMPORARY UTILITY SERVICES TO KEEP FACILITIES IN OPERATION DURING UTILITY RELOCATION INCLUDING BUT NOT LIMITED TO FIRE WATCHES, ELECTRICAL GENERATORS, ETC.

3. ANY ELECTRICAL ROUGH-IN, EQUIPMENT AND CONDUIT PATHWAYS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR. DIVISION 26 SHALL BLUE STAKE THE AREA OF NEW CONSTRUCTION PRIOR TO EXCAVATION FOR FOOTINGS, ETC. IDENTIFY BURIED ELECTRICAL SYSTEMS/UTILITIES, POWER, COMMUNICATIONS, ETC. AND COORDINATE LOCATIONS WITH THE GENERAL CONTRACTOR. IF EXISTING ELECTRICAL SYSTEMS ARE DISTURBED (POWER, AUXILIARY, ETC.) E.C. SHALL MAKE NECESSARY REPAIRS (AS APPROVED BY DISTRICT REPRESENTATIVE) AS PART OF THIS CONTRACT.

4. CONTRACTOR TO CLOSELY COORDINATE ALL NEW AND EXISTING DEVICE LOCATIONS WITH CIVIL DRAWINGS. CONTRACTOR TO VERIFY ALL FINAL GRADE REQUIREMENTS WITH CIVIL DRAWINGS.

5. CLOSELY COORDINATE ANY REQUIRED POWER SHUTDOWNS WITH THE GENERAL HEAD CUSTODIAN AND OWNER.

6. ELECTRICAL UTILITY SERVICE FROM ROCKY MOUNTAIN POWER (RMP) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 RESPONSIBLE FOR COMPLETELY COORDINATING THE EXACT PATHWAYS AND REQUIREMENTS WITH RMP PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL SFCP CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH LATEST SFCP ELECTRICAL SERVICE REQUIREMENTS AND CONTACT PERSON PROVIDED ON PLAN. ALL NEW DEVELOPMENTS WILL BE SERVICED UNDERGROUND. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL UNDERGROUND CONDUIT, SECONDARY CONDUITS, TRANSFORMER PADS, AND SECONDARY BOXES. THE UNDERGROUND ELECTRICAL DISTRIBUTION LAYOUT SHALL BE COMPLETED OR APPROVED BY RMP ENGINEERING DIVISION.

7. TELCO UTILITY SERVICE FROM LUMENS NETWORK (LN) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 IS RESPONSIBLE FOR COMPLETELY COORDINATING THE EXACT PATHWAYS AND REQUIREMENTS WITH PROVIDERS AND OWNERS PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH CONTACT PERSON PROVIDED ON PLANS. VERIFY ALL EQUIPMENT LOCATIONS ON AND OFF THE SITE NECESSARY FOR SERVICE CONNECTION.

GENERAL SITE PLAN NOTES

8. TRENCHING AND BACKFILL, LOCATE AND PROTECT EXISTING UTILITIES AND OTHER UNDERGROUND WORK IN A MANNER THAT WILL ENSURE THAT NO DAMAGE OR SERVICE INTERRUPTIONS WILL RESULT FROM EXCAVATING AND BACKFILLING. PERFORM EXCAVATION IN A MANNER THAT PROTECTS WALLS, FOOTINGS, AND OTHER STRUCTURAL MEMBERS FROM BEING DISTURBED OR DAMAGED IN ANY WAY. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 (OR STATE OF UTAH REQUIREMENTS, WHICHEVER IS MORE STRINGENT), UNLESS NOTED OTHERWISE. PATCH AND REPAIR ROADS, PARKING AREAS, SIDEWALKS, CURBS, OTHER PAVED AREAS, PLANTING AND ANY OTHER DISTURBED AREAS CAUSED BY THE ELECTRICAL CONTRACTOR DURING CONSTRUCTION.

9. BORING, TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26, ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.

10. CABLE RUNS SHALL BE MARKED WITH RED PLASTIC MARKING TAPE INSTALLED IN THE TRENCH ONE FOOT BELOW SURFACE. BACKFILL SHALL BE FREE OF ROCKS AND OTHER OBJECTS WHICH MIGHT DAMAGE THE CABLE.

11. TRENCHING, ASPHALT CUTTING AND PATCHWORK BY DIVISION 26, ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING AND INSTALLATION OF CABLE SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.

12. INSPECT ALL CONDUITS(S) WITH CAMERA TO CONFIRM THAT CONDUITS(H) HAVE NOT BEEN CRUSHED OR BROKEN. CAP OPEN ENDS OF CONDUITS AND INSTALL A 200 LB. NYLON PULL CORD IN EACH EMPTY CONDUIT RUN.

13. PROVIDE PLANS, PHOTO DOCUMENTATION AND GPS COORDINATES INDICATING THE LOCATION OF ANY AND ALL CONDUITS INTENDED FOR FUTURE USE BY OWNER. SUBMIT DOCUMENTATION WITH O&Ms.

14. VERIFY LOCATION OF LIGHT POLES WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN. PROVIDE HAND-TUBED FINISHES FOR ALL SITE POLES. REFER TO DIAGRAM CODE 102 FOR ADDITIONAL INFORMATION.

15. CONTRACTOR TO PROVIDE PULL BOXES AS REQUIRED PER NEC AND NECESSARY TO PROVIDE SUCCESSFUL CABLE PULLS.

16. PROVIDE TEMPORARY POWER FOR PROJECT AS REQUIRED BY GENERAL CONTRACTOR.

17. LABEL ALL ELECTRICAL GEAR WITH BOTH CONSTRUCTION DRAWING ROOM #S AND FINAL CONSUMER ROOM #S.

ELECTRICAL SITE UTILITY COORDINATION	
ELECTRICAL SITE UTILITY INFORMATION HAS BEEN COORDINATED WITH THE FOLLOWING UTILITY COMPANY REPRESENTATIVES. VERIFY ALL LOCATIONS, DIMENSIONS, CLEARANCES, REGULATIONS, ETC., PRIOR TO INSTALLATION. NOTIFY ENGINEER OF ANY REVISIONS REQUIRED.	
POWER COMPANY	ROCKY MOUNTAIN POWER
CONTACT	BRENT BEDKE
PHONE NO.	(801) 220-6149
EMAIL	Brent.Bedke@rockymountainpower.net
WORK ORDER NO.	#7269740

SHEET KEYNOTES	
S3	PROVIDE (1) 4" CONDUIT FOR ROCKY MOUNTAIN POWER. DIV. 26 TO PROVIDE ALL TRENCHING, CONDUIT, BACKFILL, ETC. RMP TO PROVIDE CONDUCTORS. COORDINATE ALL INSTALLATION REQUIREMENTS AND FINAL ROUTING CLOSELY WITH RMP.
S4	COORDINATE LOCATION OF NEW RMP PULL VAULT WITH RMP PRIOR TO ROUGH-IN. DIV. 26 TO PROVIDE AND INSTALL PULL VAULT (QV 501) AND ALL ASSOCIATED INSTALLATION AND PREP TO MAKE READY FOR RMP'S USE. DO NOT EXCEED 800 LINEAR FEET. COORDINATE PATH WITH RMP.
S5	COORDINATE LOCATION OF NEW RMP TRANSFORMER WITH RMP PRIOR TO ROUGH-IN. DIV. 26 TO PROVIDE PAD VAULT, COORDINATE INSTALLATION REQUIREMENTS WITH RMP.
S6	PROVIDE (1) 4" C. WITH (3) 1.4V SMOOTHWALL INNERDUCT BETWEEN NEW DATA ROOM AND EXISTING DATA ROOM NETWORK G06 WITHIN THE EXISTING BUILDING. FIELD VERIFY ROUTING. PROVIDE 12 STRAND OMA FIBER WITH (2) CAT6 COPPER CABLING BETWEEN THE EXISTING AND NEW DATA ROOMS.
S7	TRANSITION UNDERGROUND CONDUIT TO SURFACE MOUNT CONDUIT TO RISE UP BEFORE TRANSITIONING TO ACCESSIBLE CEILING. DIV. 26 TO FIELD VERIFY SURFACE MOUNT CONDUIT LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. CONDUIT TO BE PAINTED TO MATCH SURFACES.
S8	PROVIDE (1) 4" CONDUIT WITH (3) 1.4V SMOOTHWALL INNERDUCT ABOVE CEILING THROUGH EXISTING BUILDING TO NETWORK G06. FIELD VERIFY ROUTE AND ROUTE CONDUIT THROUGH ACCESSIBLE CEILING. DIV. 26 SHALL PROVIDE ALL CONDUIT, CABLING SUPPORTS, CORE DRILLING, FIRE PENETRATIONS, AND INSTALLATION AS NECESSARY. PROVIDE 12 STRAND OMA FIBER WITH (2) CAT6 COPPER CABLING BETWEEN THE EXISTING AND NEW DATA ROOMS.
S9	EXISTING SOCCER AND SOFTBALL SCOREBOARDS TO BE RELOCATED. REFER TO DEMOLITION SHEETS FOR ADDITIONAL INFORMATION. DIV. 26 TO INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION. PROVIDE NEW CONCRETE JUNCTION BOX. VERIFY NEW SCOREBOARD LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
S10	APPROXIMATE LOCATION OF EXISTING SCOREBOARD POWER AND DATA CONDUITS TO NEW LOCATIONS INDICATED BY NOTE S9.
S11	EXISTING RMP SECTIONALIZER. DIV. 26 TO COORDINATE ALL REQUIREMENTS AND TIMELINES WITH RMP.
S12	EXISTING SCOREBOARD TO BE DEMOLISHED. DIV. 26 TO DISCONNECT POWER AND MAKE SAFE FOR DEMOLITION. DIV. 26 TO REMOVE CONDUCTORS BACK TO SOURCE AND RELABEL EXISTING BREAKER AS "SPARE".
S13	EXISTING SCOREBOARD DATA/SIGNAL CONDUIT TO REMAIN, BE PROTECTED IN PLACE, AND REUSED. DIV. 26 TO REMOVE EXISTING DATA/SIGNAL CABLING BETWEEN EXISTING SCOREBOARD AND PRESS BOX. RE-USE EXISTING CONDUIT TO PULL NEW FIBER CABLING (FIBER CABLING FURNISHED BY SCOREBOARD MANUFACTURER, INSTALLED BY DIV. 27) FROM THE EXISTING PRESS BOX THROUGH THE EXISTING CONDUIT TO NEW CONCRETE HANDHOLE LOCATED AT THE BASE OF DEMOLISHED SCOREBOARD BEFORE CONTINUING TO NEW, WALL MOUNTED SCOREBOARD.
S14	APPROXIMATE ROUTING OF EXISTING CONDUIT BETWEEN EXISTING SCOREBOARD AND EXISTING PRESS BOX. DIV. 26 TO FIELD VERIFY ROUTING AND PULL NEW FIBER CABLING THROUGHOUT. REFER TO NOTE S13.
S15	PROVIDE NEW CONCRETE HANDHOLE AT THE BASE OF THE DEMOLISHED SCOREBOARD TO INTERCEPT EXISTING SCOREBOARD DATA CONDUIT FROM THE EXISTING PRESS BOX. PROVIDE (1) 2" CONDUIT FROM CONCRETE HANDHOLE TO NEW, WALL MOUNTED SCOREBOARD AND INSTALL FIBER CABLING THROUGHOUT. REFER TO NOTE S13 AND SHEET E301 FOR ADDITIONAL REQUIREMENTS. COORDINATE STUB UP LOCATION TO NEW SCOREBOARD WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. NO EXTERIOR SURFACE MOUNT RACEWAY ACCEPTABLE. ROUTE CONDUIT UP INTERIOR WALL.



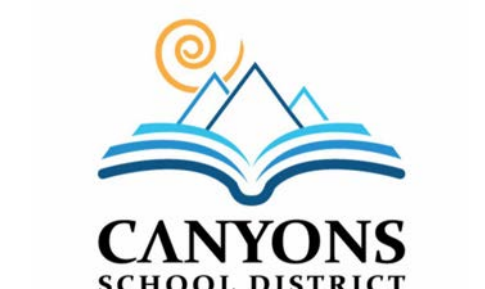
233 SOUTH PLEASANT GROVE BLVD.  
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PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**  
12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION  
DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: BNA  
PIC: BNA

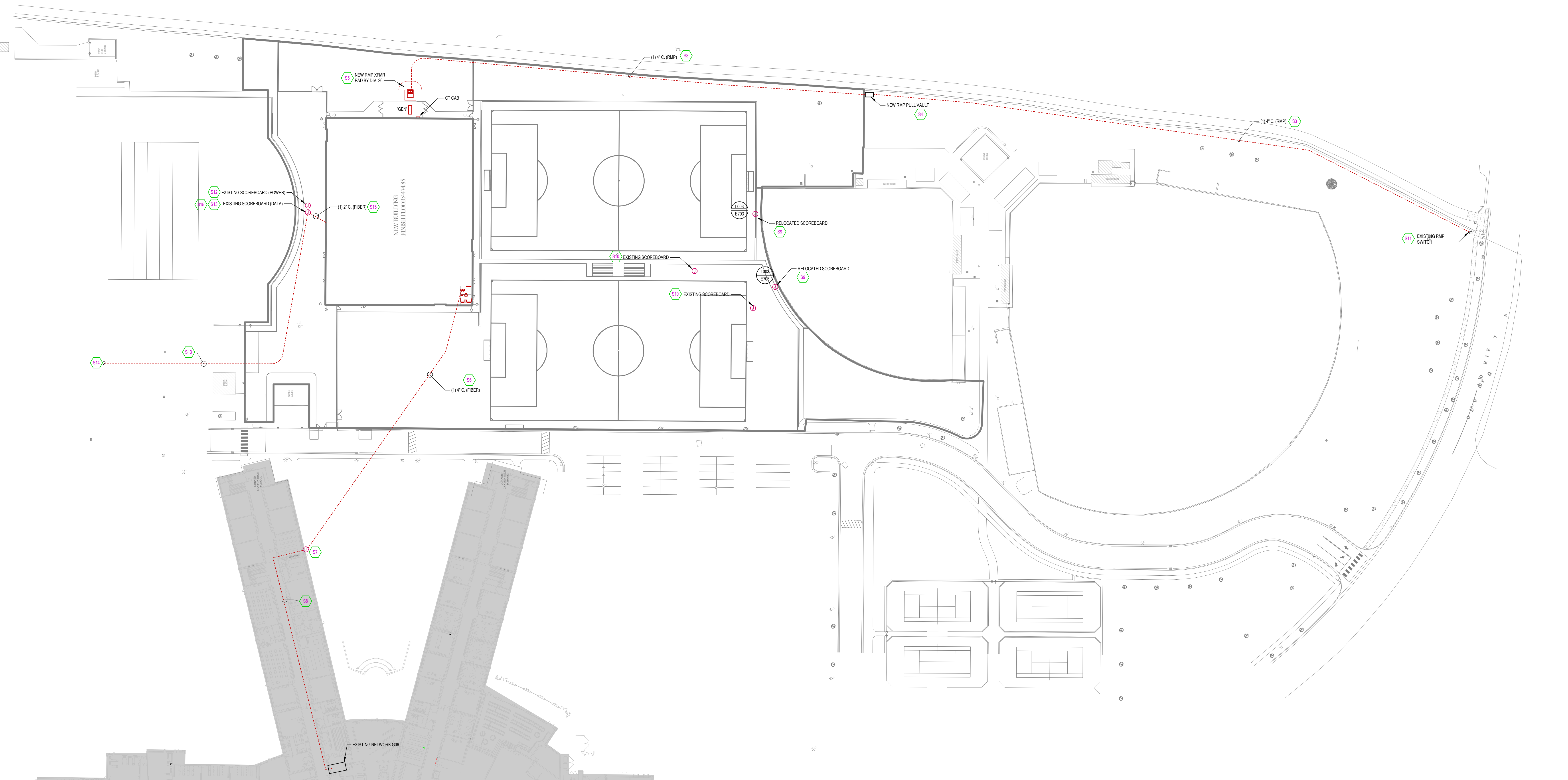
DRAWING SET STATUS  
**BID SET**

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SHEET TITLE

**ELECTRICAL  
SITE PLAN**

SHEET NUMBER  
**E101**



**SITE PLAN**  
SCALE = 1" = 50'-0"

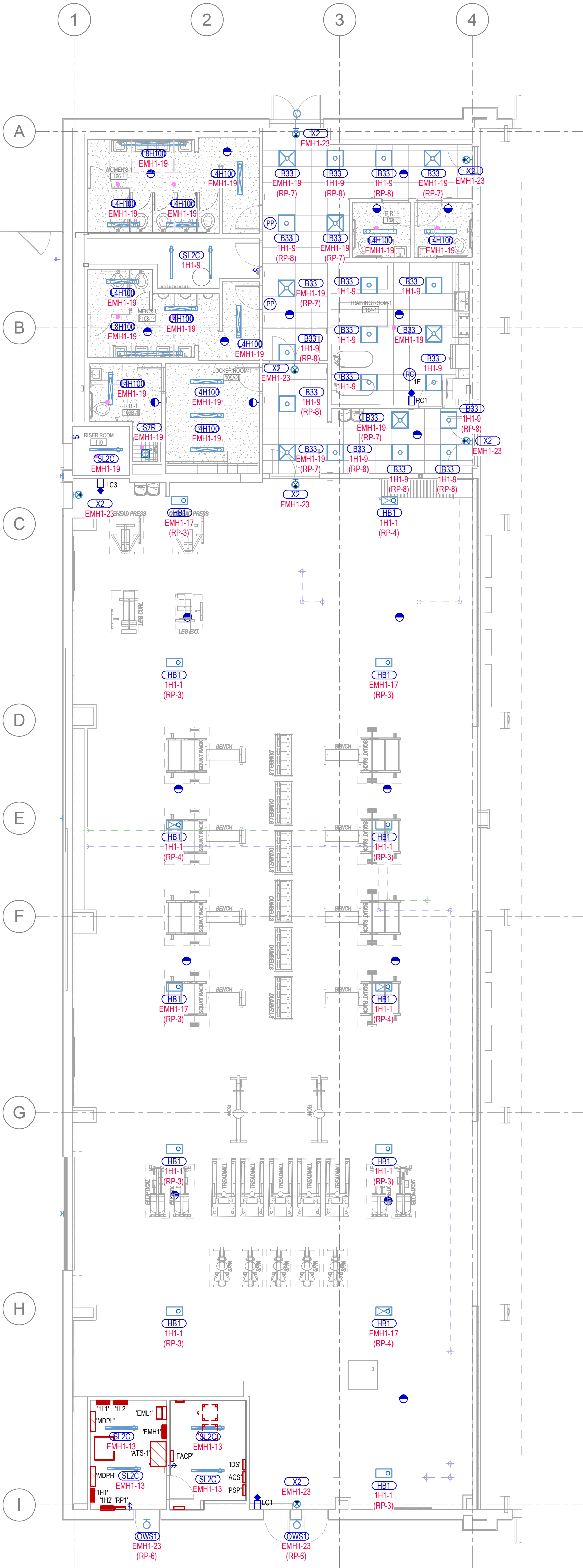




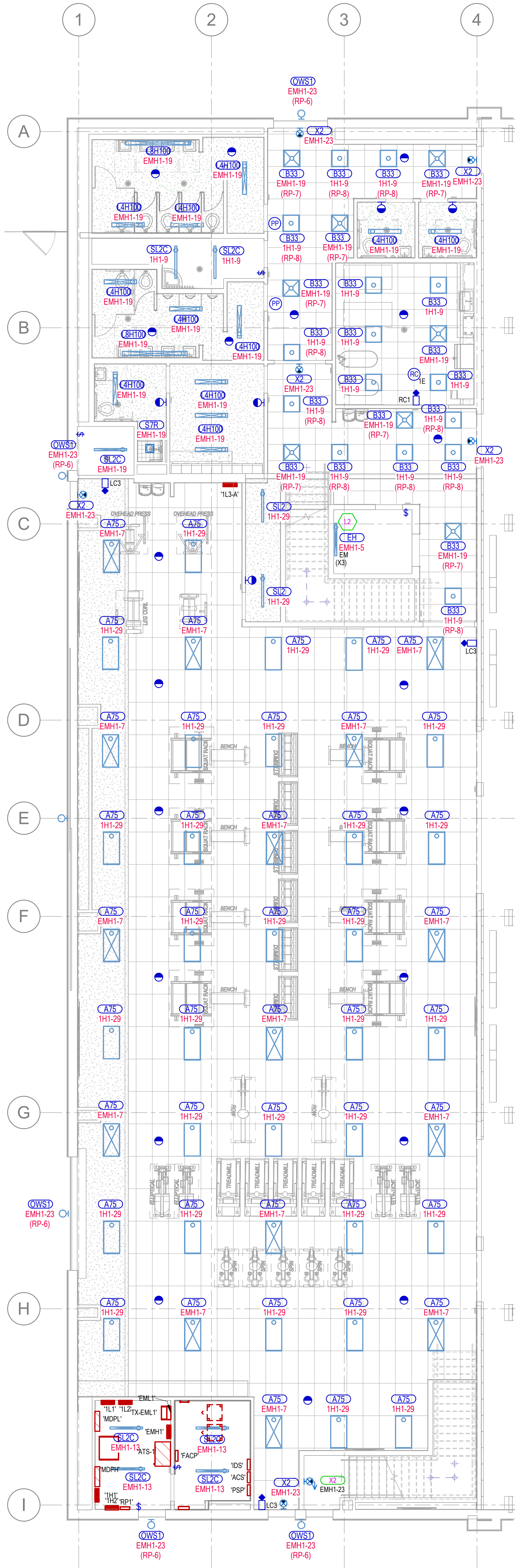


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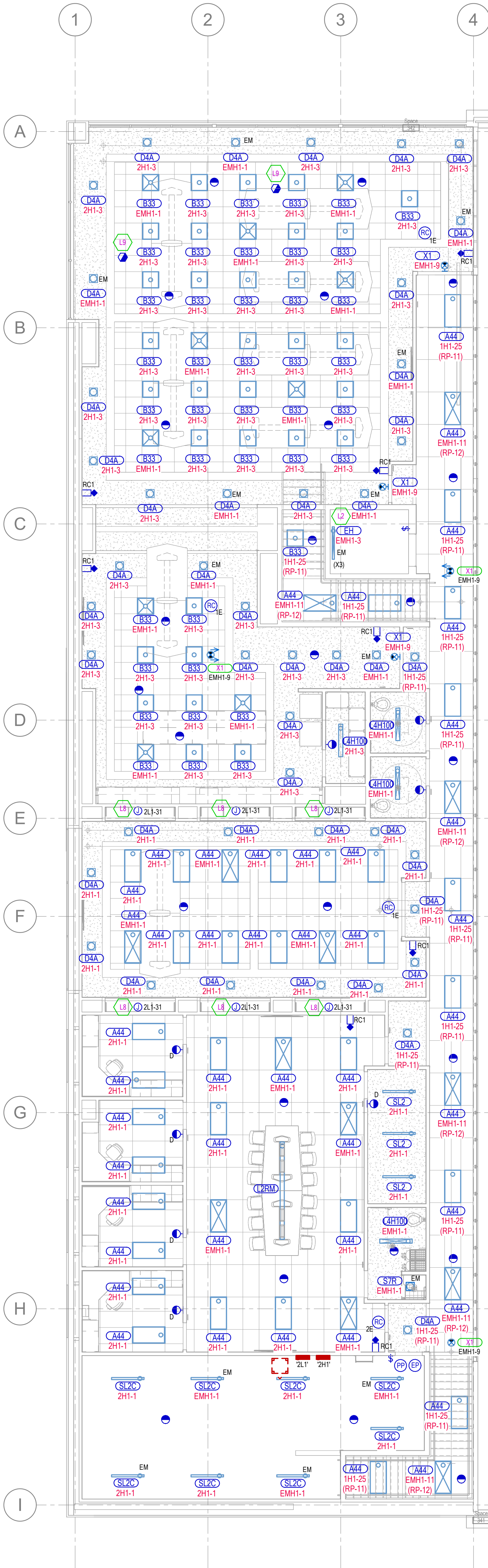
1 MAIN FLOOR LIGHTING PLAN - PRIMARY  
SCALE = 1/8" = 1'-0"



2 MAIN FLOOR LIGHTING PLAN - ALTERNATIVE  
SCALE = 1/8" = 1'-0"



3 SECOND FLOOR LIGHTING PLAN - ALTERNATIVE  
SCALE = 1/8" = 1'-0"

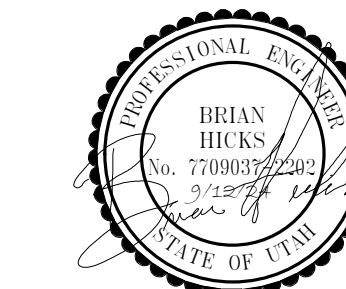


## LIGHTING GENERAL NOTES

- DEVICE HEIGHTS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL ROUGH-IN ELEVATION HEIGHTS WITH MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. ROUGH-IN DEVICES IF ABOVE DESKTOPS, CONTROLS, ETC.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGNOSTIC. THE INTENT IS TO ALIGN CENTER OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
- FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
- ALL ROOM CONTROLS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
- SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION, REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
- PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
- PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
- IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED.
- PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.
- ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.
- CAREFULLY COORDINATE FIXTURE PLACEMENT WITHIN BAFFLED CEILINGS. PENDANT MOUNTING FIXTURES SHALL BE MOUNTED AT THE SAME ELEVATION AS BAFFLES. COORDINATE WITH ARCHITECTURAL RCP AND DETAILS PRIOR TO ROUGH-IN.
- PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN EXPOSED CEILING. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
- ALL UNDERCABINET LIGHTS MUST BE COORDINATED WITH MILLWORK FOR EXACT LENGTHS. COORDINATE WITH MILLWORK SHOP DRAWINGS.
- PROVIDE 0-10V DIMMER CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE. WALL STATION CONTROL SEQUENCE, OR REQUIRED BY ICC 2021.
- SUBSCRIPT ADJACENT TO LIGHT FIXTURES INDICATES INTENDED CONTROL GROUPING. PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS REQUIRED.
- MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 LIGHTING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND SPECIFICATIONS AND COMPLYING WITH ICC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEMS TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURER'S REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET ICC 2021 REQUIREMENTS.

## SHEET KEYNOTES

- L2 PROVIDE A TOTAL OF 9 EM FIXTURES. MOUNT AND SPACE EVENLY THROUGHOUT THE ELEVATOR SHAFT. PROVIDE SWITCH CONTROL AS SHOWN.
- L8 COORDINATE CONNECTION REQUIREMENTS TO ILLUMINATED INTEGRATED OUTLET DISPLAY CASE UNIT WITH MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGH-IN.
- L9 PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER ICC-2021 C405.2.3.3. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE SPACE FOR PROPER COVERAGE. CONTROL LIGHT FIXTURES WITHIN THE DAYLIGHT ZONE WITH DAYLIGHT SENSOR (PHOTOCELL) AND WIRE THE FIXTURES 0-10V DRIVERS ACCORDINGLY. PROVIDE LLC OR PROVIDE ALL ADDITIONAL INFRASTRUCTURE TO MEET NEW ICC 2021 REQUIREMENTS WITH DAYLIGHT ZONES AND CONTROL ZONES SHOWN.



REVISIONS	
DESCRIPTION	DATE

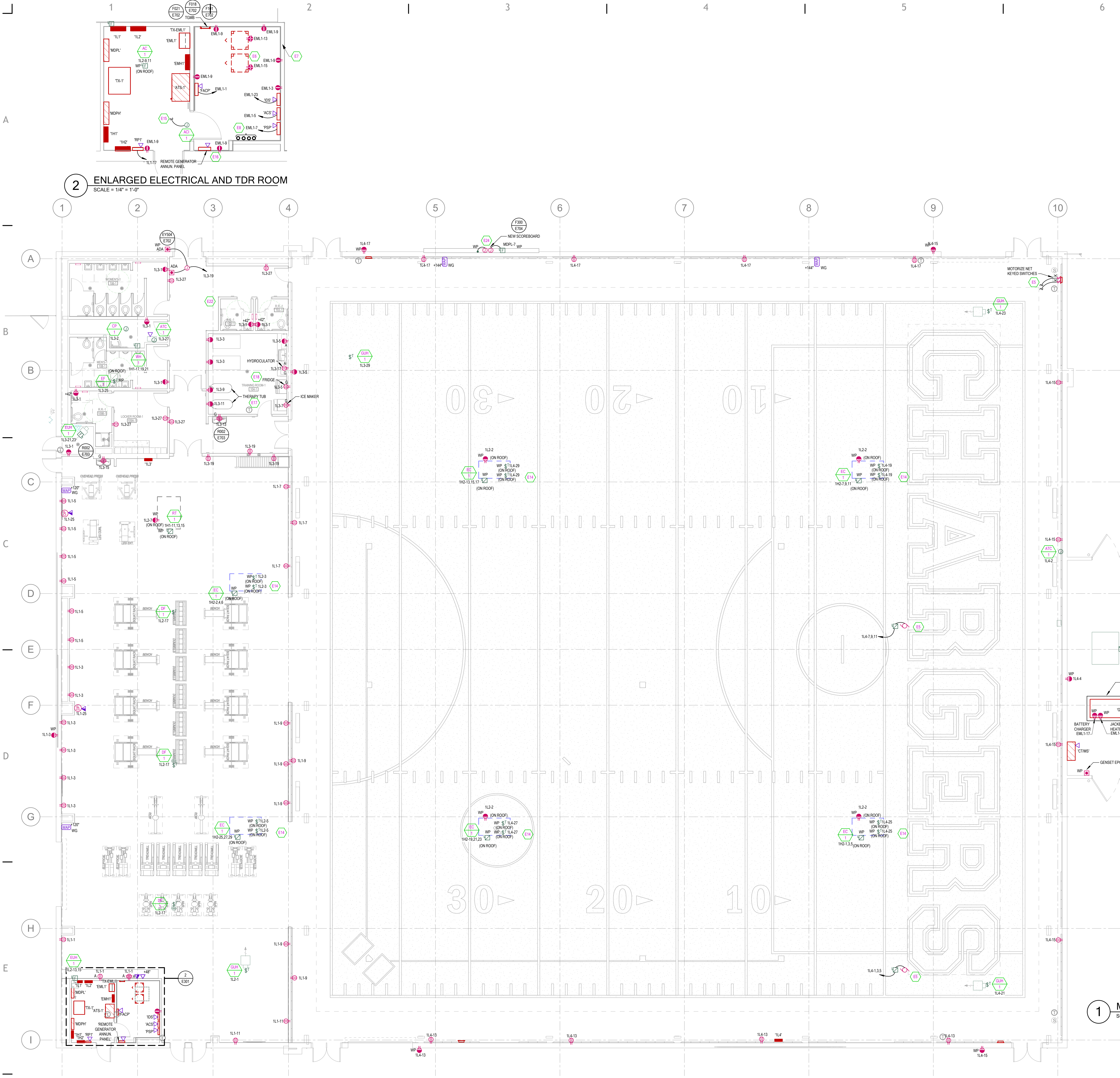
PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS	
BID SET	
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SHEET TITLE	

## ALTERNATE #1

- REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.





## POWER GENERAL SHEET NOTES

- COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETS DRAWINGS.
- ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIOVISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
- ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIOVISUAL EQUIPMENT, CLASSROOM SOUND, AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELEDATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
- PROVIDED GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC. WHETHER SHOWN OR NOT.
- ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
- FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE 120V CIRCUIT FROM THE NEAREST PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER. REFER TO DIAGRAM D012 ON SHEET E701.
- CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
- DIVISION 26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. COORDINATE WITH THE CONTROLS CONTRACTOR AND VERIFY EXACT LOCATION OF ALL THERMOSTATS.

## SHEET KEYNOTES

- E5 COORDINATE POWER REQUIREMENTS FOR SPORTS NETTING MOTORS PRIOR TO ROUGH-IN AND ADJUST CIRCUIT WIRING AND OCPD AS REQUIRED. LOCATE AND TERMINATE COMPLETELY THE CONTROLLER E.G. SWITCHES, TRANSFORMERS, TERMINAL BLOCK, ROP WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. LOCATE MOMENTARY TOGGLE SWITCH IN SWITCHING CABINET. SEE DIAGRAM P046E2.42 FOR MORE INFORMATION.
- E6 ROUTE CONDUIT DOWN ALONG RACK POST AND MOUNT +18 INCH A.F.F.
- E7 PROVIDE 3/4 INCH FIRE-TREATED PLYWOOD ON WALLS. REFER TO SPECIFICATIONS (SECTION 27 1500) FOR REQUIREMENTS.
- E8 PROVIDE A MINIMUM OF (4) 4IN CONDUIT STUBS BETWEEN FLOORS. ASSURE THAT THERE ARE AT LEAST (2) SPARE/EMPTY CONDUITS AVAILABLE. PROVIDE FIRE CAULKING AS REQUIRED PER SPECIFICATIONS.
- E14 DIV. 26 ELECTRICAL CONNECTIONS FOR 2 PUMPS PER COOLER. VERIFY WITH MECHANICAL PRIOR TO ROUGH-IN.
- E15 SPLIT AC SYSTEM. PROVIDE 3/4" CONDUIT AND REQUIRED UNIT WIRING BETWEEN OUTDOOR AND INDOOR UNIT. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL CONDUIT AND WIRING. COORDINATE LOCATION TERMINATION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- E16 CONFIRM LOCATION OF REMOTE GENERATOR ANNUNCIATOR PANEL WITH OWNER PRIOR TO ROUGH-IN. INSTALL PER MANUFACTURER'S REQUIREMENTS.
- E17 VERIFY LOCATION OF OUTLET WITH THERAPY TUB MANUFACTURER PRIOR TO ROUGH-IN TO ENSURE OUTLET REMAINS ACCESSIBLE.
- E18 DIV. 26 TO VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITHIN THE TRAINING ROOM WITH MANUFACTURER SHOP DRAWINGS DURING CONSTRUCTION. REVISE BREAKERS AND CONDUCTORS AS NEEDED.
- E22 HAND DRYER LOCATION. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE GFCI BREAKER WITHIN PANELBOARD.
- E24 DIV. 26 TO COORDINATE POWER AND FIBER ROUGH-IN LOCATIONS AND REQUIREMENTS CLOSELY WITH MANUFACTURER'S SHOP DRAWINGS. REFER TO SITE PLAN FOR FIBER REQUIREMENTS FROM THE PRESS BOX.

## 1 MAIN LEVEL ELECTRICAL FLOOR PLAN

SCALE = 1/8" = 1'-0"

## BASE BID

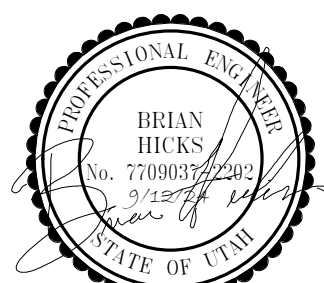
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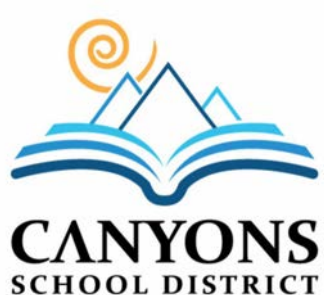
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PROJECT TITLE AND ADDRESS  
**CCHS FIELDHOUSE & SOCCER FIELD**

12945 SOUTH 700 EAST  
DRAPER, UTAH 84020

## REVISIONS

DESCRIPTION	DATE

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: BNA  
PIC: BNA

## DRAWING SET STATUS

## BID SET

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## SHEET TITLE

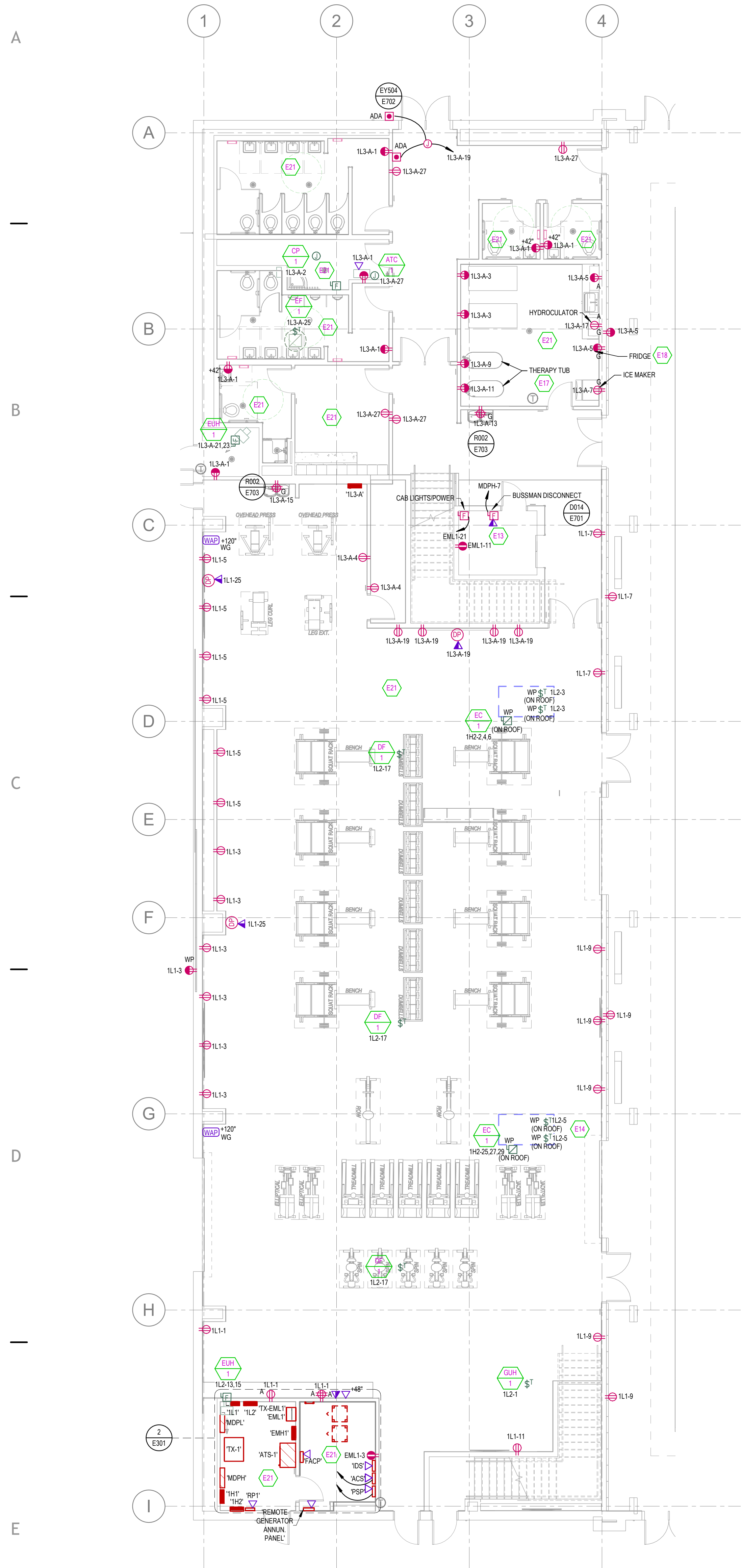
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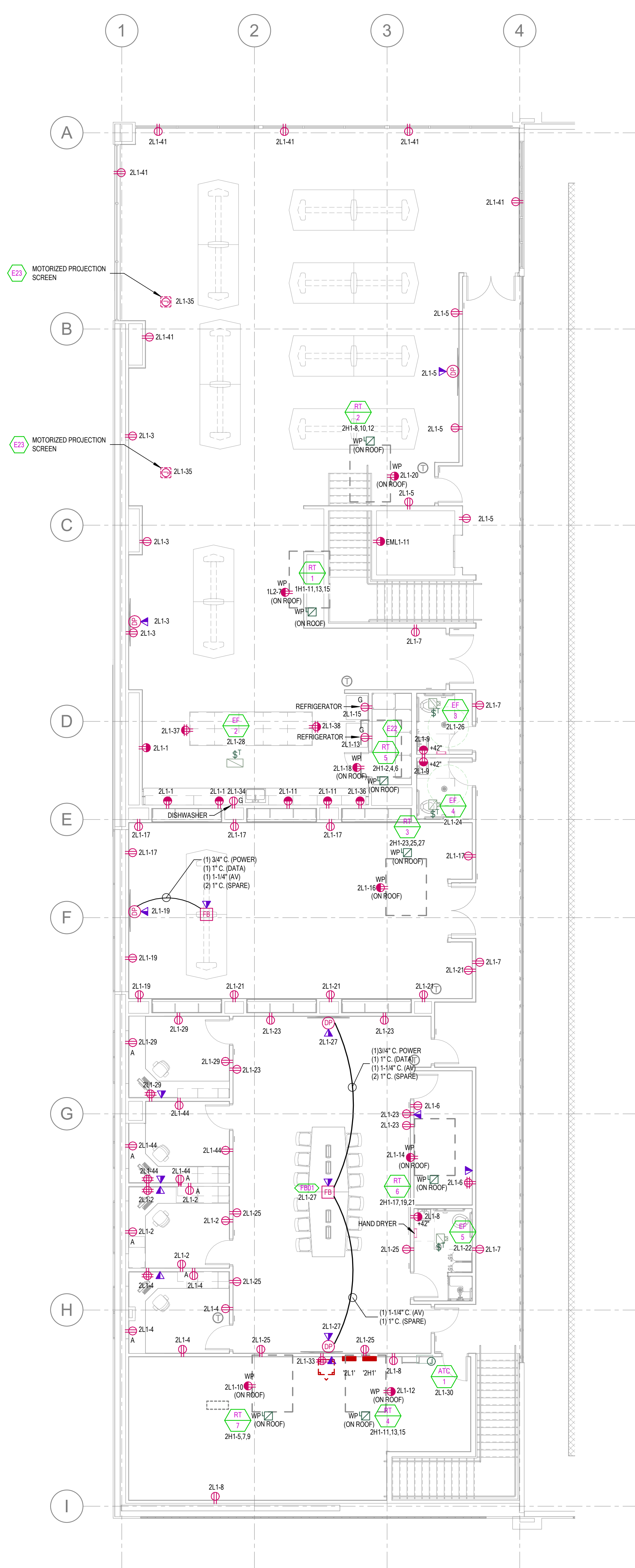
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**MAIN LEVEL POWER FLOOR PLAN - ALTERNATIVE**  
SCALE = 1/8" = 1'-0"



**UPPER LEVEL POWER FLOOR PLAN - ALTERNATIVE**  
SCALE = 1/8" = 1'-0"

## POWER GENERAL SHEET NOTES

- COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETS DRAWINGS.
- ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIOVISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
- ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIOVISUAL EQUIPMENT, CLASSROOM SOUND, AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELEDATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
- PROVIDED GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
- ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
- FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE 120V CIRCUIT FROM THE NEAREST PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER. REFER TO DIAGRAM D012 ON SHEET E701.
- CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
- DIVISION 26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. COORDINATE WITH THE CONTROLS CONTRACTOR AND VERIFY EXACT LOCATION OF ALL THERMOSTATS.

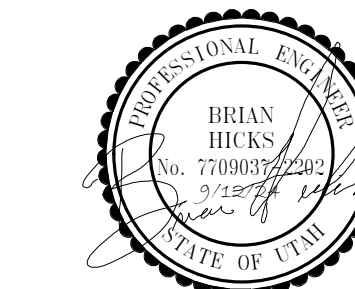
## SHEET KEYNOTES

- | KEYNOTE | DESCRIPTION   |
|---------|---|
| E13     | DIV. 26 TO VERIFY ELEVATOR CONTROL PANEL WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN/EXTEND POWER AND CONTROL WIRING FROM DISCONNECT TO CONTROL PANEL LOCATED AT TOP FLOOR LANDING IN RECESSED ELEVATOR DOOR PANEL. |
| E14     | DIV. 26 ELECTRICAL CONNECTIONS FOR 2 PUMPS PER COOLER. VERIFY WITH MECHANICAL PRIOR TO ROUGH-IN.  |
| E17     | VERIFY LOCATION OF OUTLET WITH THERAPY TUB MANUFACTURER PRIOR TO ROUGH-IN TO ENSURE OUTLET REMAINS ACCESSIBLE.  |
| E18     | DIV. 26 TO VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITHIN THE TRAINING ROOM WITH MANUFACTURER SHOP DRAWINGS DURING CONSTRUCTION. REVISE BREAKERS AND CONDUCTORS AS NEEDED.                                    |
| E21     | DEVICES SHOWN FOR REFERENCE ONLY. REFER TO BASE BID SHEETS FOR THIS AREA AND INCLUDE ALL DEVICES SHOWN. INDICATED PLAN SHOWS REVISED WORK PERTAINING TO THE ADDITION OF THE ELEVATOR IN ALTERNATE #1.                 |
| E22     | HAND DRYER LOCATION. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE GFCI BREAKER WITHIN PANELBOARD.   |
| E23     | PROVIDE POWER CIRCUIT IN JUNCTION BOX FOR MOTORIZED PROJECTION SCREEN. CONNECT TO SCREEN JUNCTION BOX/MOTOR HOUSING WITH FLEXIBLE WHIP. COORDINATE EXACT LOCATION WITH PROJECTION SCREEN CASE AND SUPPORT ASSEMBLY.   |



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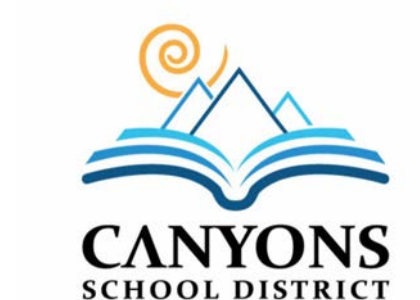
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12945 SOUTH 700 EAST  
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## REVISIONS

DESCRIPTION	DATE

## PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
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PIC: BNA

## DRAWING SET STATUS

## BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

## SHEET TITLE

**ALTERNATE  
ELECTRICAL  
FLOOR PLAN**

## ALTERNATE #1

- REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.

## SHEET NUMBER

**E302**



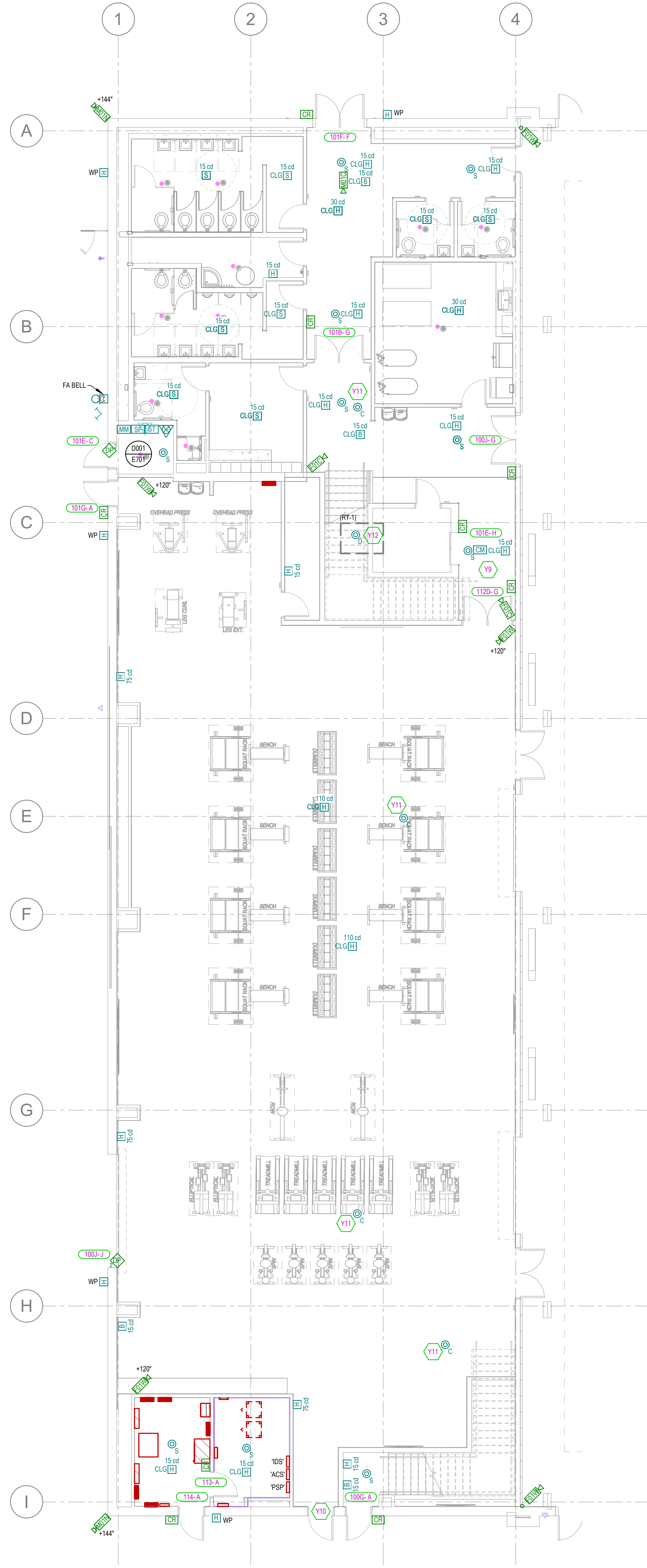


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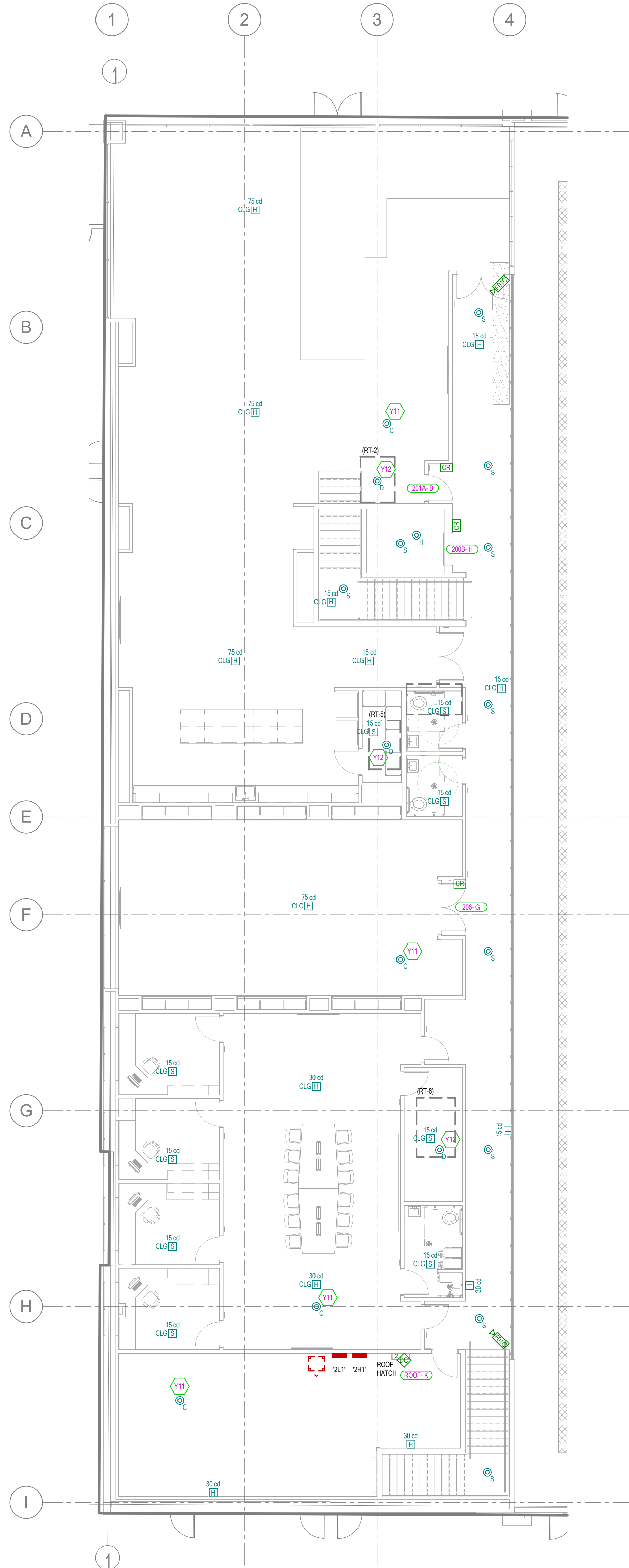
1. INFORMATION SHOWN PERTAINS TO THE BASE BID. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.



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2 MAIN LEVEL SYSTEMS FLOOR PLAN - ALTERNATIVE  
SCALE = 1/8" = 1'-0"



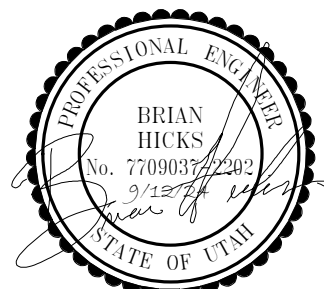
3 UPPER LEVEL SYSTEMS FLOOR PLAN - ALTERNATIVE  
SCALE = 1/8" = 1'-0"

## SYSTEMS GENERAL NOTES

- FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND BASED UPON A PERFORMANCE SPECIFICATION. ALL NEW EQUIPMENT DEVICE QUANTITIES, LOCATION, AND ALL NATIONAL & LOCAL CODE COMPLIANCE TO BE PROVIDED AND STAMPED BY A LICENSED FIRE ALARM ENGINEER AND INCLUDED IN THE FIRE ALARM CONTRACTORS BID. IN NO WAY ARE THE DEVICES SHOWN ON THESE DRAWINGS TO BE IMPLEMENTED AS FINAL DESIGN DOCUMENTS.
- ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN POURED CONCRETE, PRECAST CONCRETE, MASONRY AND GYP WALLS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT QUANTITY AND LOCATIONS OF ALL FIRE SPRINKLER SYSTEM TAMPERS AND FLOW SWITCHES WITH FIRE SPRINKLER DRAWINGS. CONNECT ALL TAMPERS AND FLOW SWITCHES TO FIRE ALARM SYSTEM.
- CONTRACTOR SHALL COORDINATE EXACT LOCATION AND QUANTITY OF ALL DUCT TYPE SMOKE DETECTORS WITH MECHANICAL CONTRACTOR. HARD WIRE TO RELAY STARTER.
- PROVIDE FIRE ALARM RELAY MODULES FOR ALL DOORS WITH ACCESS CONTROL DEVICES.
- PROVIDE (2) DUCT TYPE SMOKE DETECTOR FOR EACH FAN COIL UNIT, AHU, SUPPLY FAN AND HEAT PUMP OF 2000 CFM OR GREATER.
- PROVIDE 120V CIRCUIT FROM THE NEAREST EQUIPMENT BRANCH PANELBOARD FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5'-0" OF EACH FIRE/SMOKE DAMPER. REFER TO DIAGRAM D012.
- EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS NEEDED FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
- EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS NEEDED FOR A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.

## SHEET KEYNOTES

- Y9 SEE SPECIFICATIONS 26.0510 (ELEVATOR ELECTRICAL REQUIREMENTS) FOR FIRE ALARM SYSTEM AND ELEVATOR INTEGRATION E.G. LOBBIES, HOISTWAYS, ELEVATOR ROOMS, ETC. PROVIDE REQUIRED DEVICES, DISCONNECTS, AND SYSTEM CONNECTIONS AS REQUIRED.
- Y10 ROUGH-IN AND PREWIRE THIS DOOR TO HAVE A CREDENTIAL CARD READER ON THE EXTERIOR LATCHING SIDE OF THE DOOR. A DOOR POSITION CONTACT AND A OSDP ACCESS CONTROL COMPOSITE CABLE. REFER TO THE "TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRAM" KEY101 FOR MORE INFORMATION.
- Y11 PROVIDE A CO DETECTOR WITH CONTROL MODULE FOR UNIT SHUTDOWN WITHIN EVERY SPACE SERVED BY A PACKAGED ROOFTOP UNIT. CONTROL MODULE WITH FAN SHUT DOWN RELAY FOR LOCAL CARBON-MONOXIDE DETECTOR ACTIVATION AND SHUTDOWN OF RTU. TIE TO FIRE ALARM SYSTEM AS REQUIRED. LOCATE DETECTOR AT FIRST SUPPLY DIFFUSER IN THE SPACE.
- Y12 PROVIDE FIRE ALARM SYSTEM DUCT DETECTOR(S) AS REQUIRED. COORDINATE WITH DIVISION 23 CONTRACTOR FOR THE QUANTITY AND FOR MOUNTING IN MECHANICAL UNIT DUCT WORK.



### REVISIONS

DESCRIPTION	DATE

### PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: BNA  
PIC: BNA

### DRAWING SET STATUS

#### BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

### SHEET TITLE

## SYSTEM MAIN FLOOR AND ALTERNATE FLOOR PLAN

### SHEET NUMBER

**E402**

## ALTERNATE #1

- REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.



Autodesk Docs: /24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field RFP2.rvt  
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A

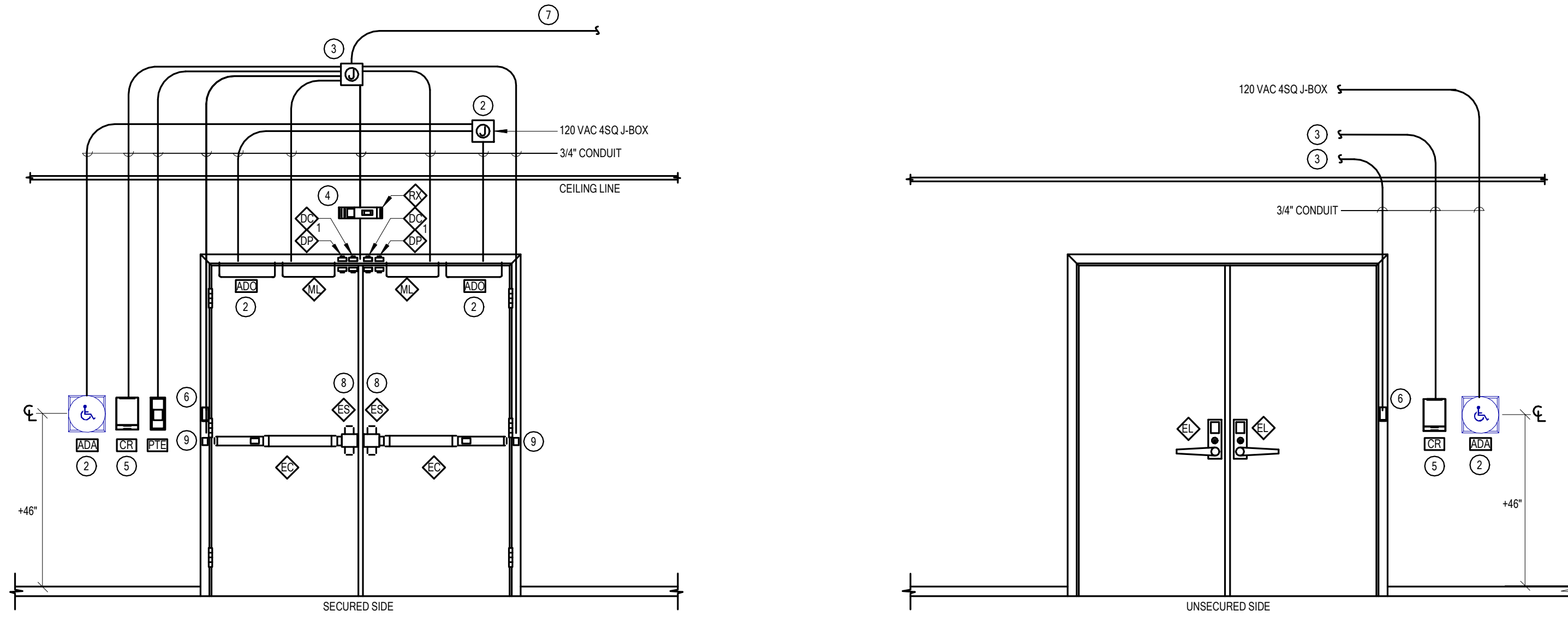
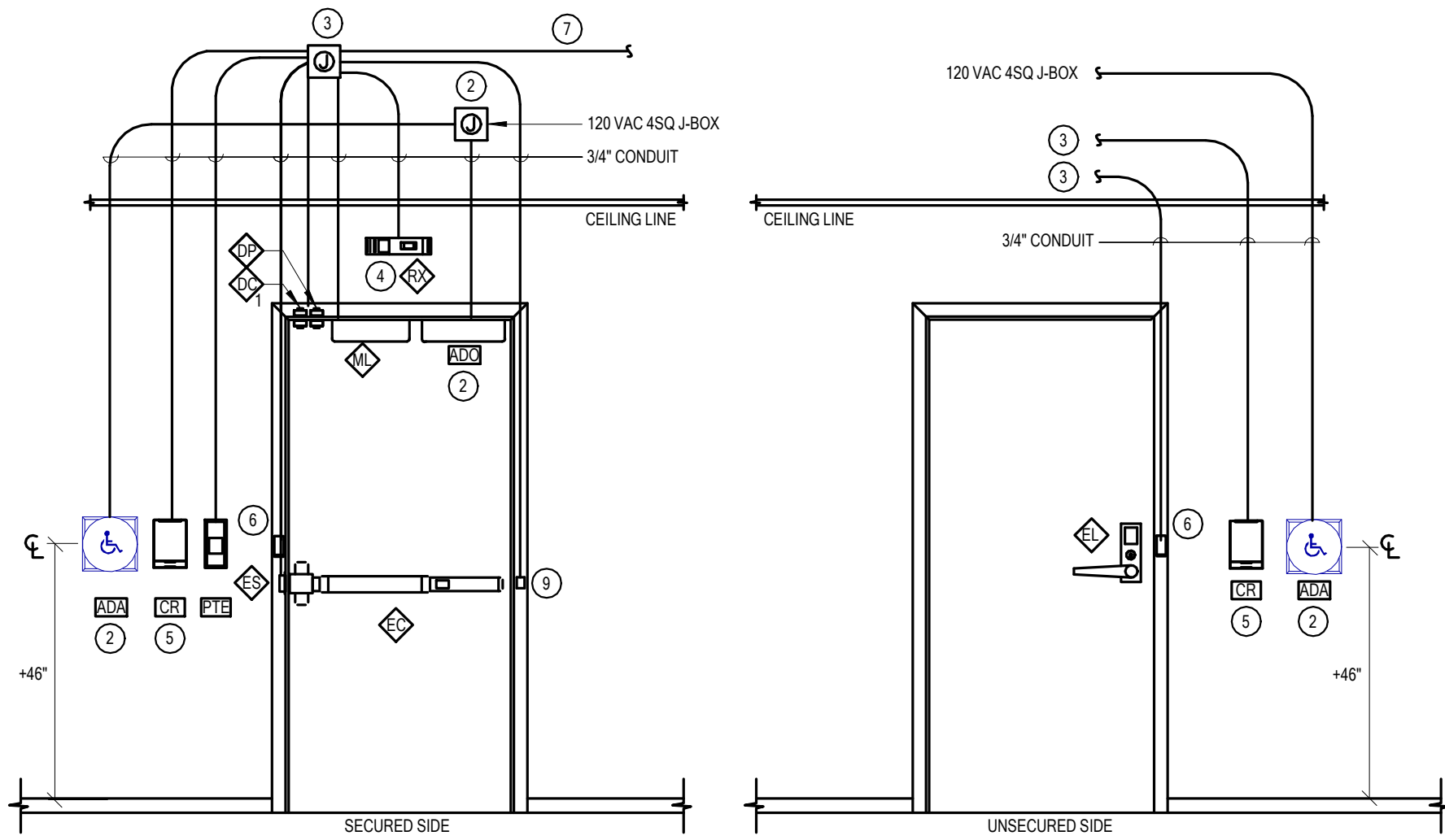
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C

D

E

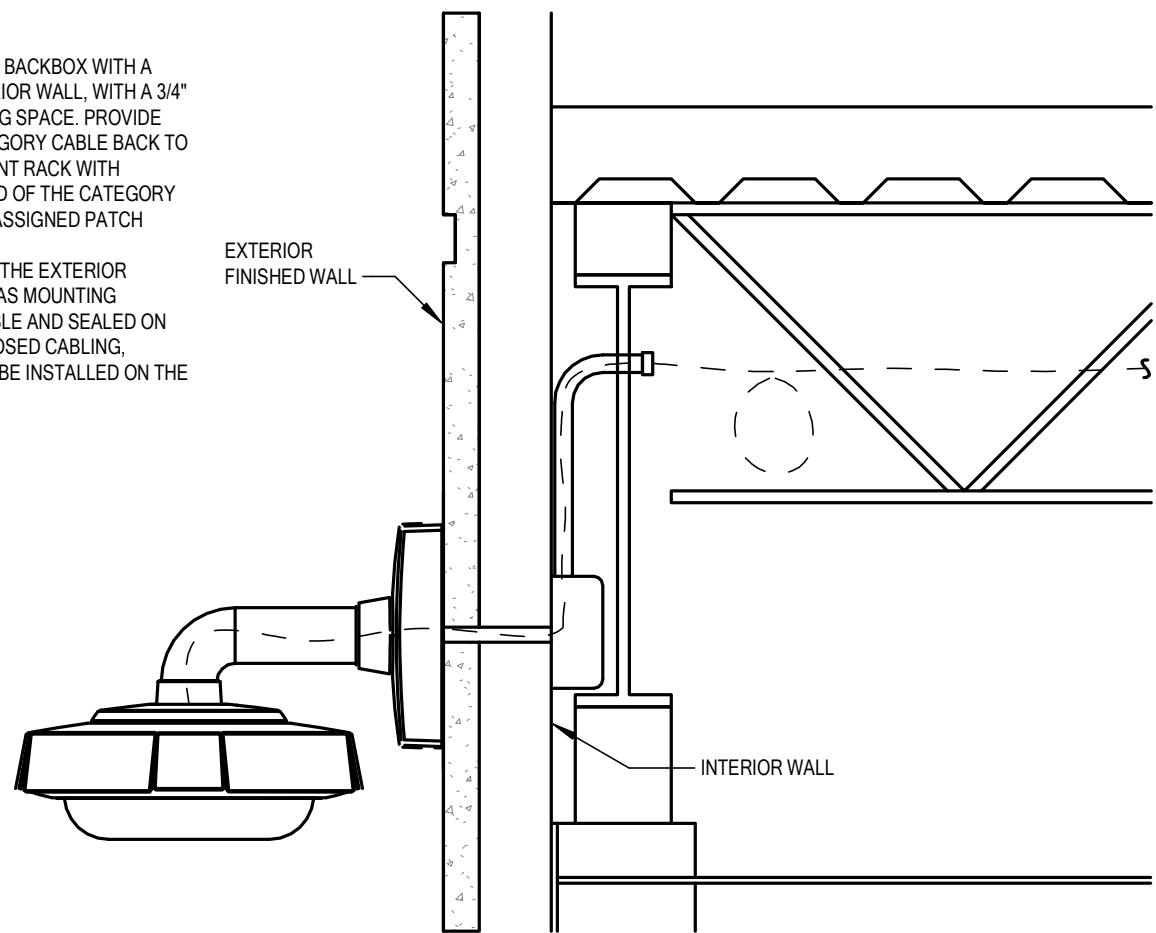
- DIAGRAM KEYNOTES:**
1. MOUNT ACCESS CONTROL, DOOR CONTACT & INTRUSION DETECTION DOOR CONTACT 3/8" AWAY FROM LATCHING SIDE OF DOOR.
  2. REFER TO DIV. 8 SPECIFICATIONS FOR ADA EQUIPMENT TYPES, AND POWER SHEET PLANS FOR DEVICE LOCATIONS. PROVIDE 3/4" CONDUIT FROM ADA TO 4SQ J-BOX WITH COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
  3. PROVIDE MANUFACTURER SUGGESTED J-BOX WITH 3/4" CONDUIT FROM ELECTRIFIED DOOR HARDWARE EQUIPMENT AND ANY OTHER INSTALLED END DEVICES TO 4SQ J-BOX W/ COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
  4. PROVIDE HORIZONTAL SINGLE GANG J-BOX WITH 3/4" CONDUIT FOR REQUEST TO EXIT MOTION.
  5. PROVIDE 4SQ J-BOX WITH VERTICAL SINGLE GANG MUD RING AND 3/4" CONDUIT FOR STANDARD SIZE CREDENTIAL CARD READER.
  6. ROUTE DEVICE CABLE THROUGH DOOR FRAME OR MULLIONS. MOUNT DEVICES DIRECTLY TO THE DOOR FRAME OR MULLION WITHOUT J-BOX.
  7. PROVIDE SPECIFIED J-HOOKS OR CONDUIT.
  8. PROVIDE EXTERIOR CABLE QUICK-DISCONNECT AT THE TOP OF DOOR FRAME FOR ELECTRIC STRIKES (ON REMOVABLE MULLIONS).
  9. ELECTRIC POWER TRANSFER HINGE / ELECTRIC HINGE / ELECTRIC POWER TRANSFER LOOP (SEE DIV. 8 SPEC).
- NOTE:** DEVICES SHOWN ON THESE DIAGRAMS ARE NOT TO SCALE AND ANY/ALL MAY OR MAY NOT BE REQUIRED. DIAGRAM REPRESENTS TYPICAL ROUGH-IN AND DEVICE LOCATIONS. CONTRACTOR MUST REFER TO DIV. 8 SPECIFICATIONS FOR ELECTRIFIED DOOR EQUIPMENT TYPES AND THE SECURITY DRAWINGS FOR ACCESS CONTROL DEVICE LOCATIONS.



**DIAGRAM EY101** TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRAMS  
NTS

**DIAGRAM KEYNOTES:**

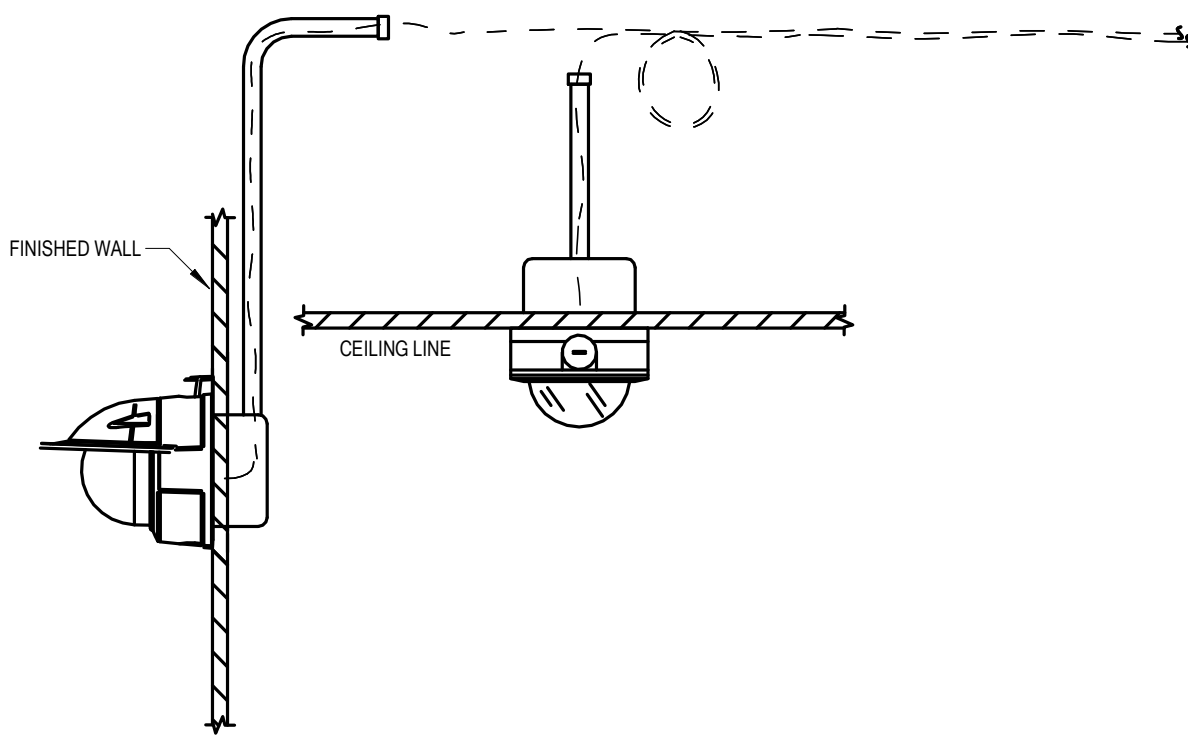
1. PROVIDE A MANUFACTURER SUGGESTED JUNCTION BACKBOX WITH A COVER THAT IS MOUNTED ON THE BUILDING'S INTERIOR WALL, WITH A 3/4" CONDUIT INSTALLED UP TO THE ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED RACEWAY TO ROUTE THE CAMERA CATEGORY CABLE BACK TO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK WITH INDUSTRY STANDARD SERVICE LOOPS ON EACH END OF THE CATEGORY CABLE. TERMINATE THE CATEGORY CABLE TO THE ASSIGNED PATCH PANEL AND TEST.
2. THE HOLE THAT IS DRILLED THROUGH THE WALL TO THE EXTERIOR FINISHED WALL AND INTO THE BACK OF THE CAMERA MOUNTING BRACKET SHOULD BE SIZED TO THE CATEGORY CABLE AND SEALED ON EACH SIDE WITH WATERPROOF SEALANT. NO EXPOSED CABLE, CONDUIT, OR JUNCTION BOXES ARE PERMITTED TO BE INSTALLED ON THE EXTERIOR OF THE BUILDING.



**DIAGRAM EY403** TYPICAL EXTERIOR CAMERA MOUNT  
NTS

**DIAGRAM NOTE:**

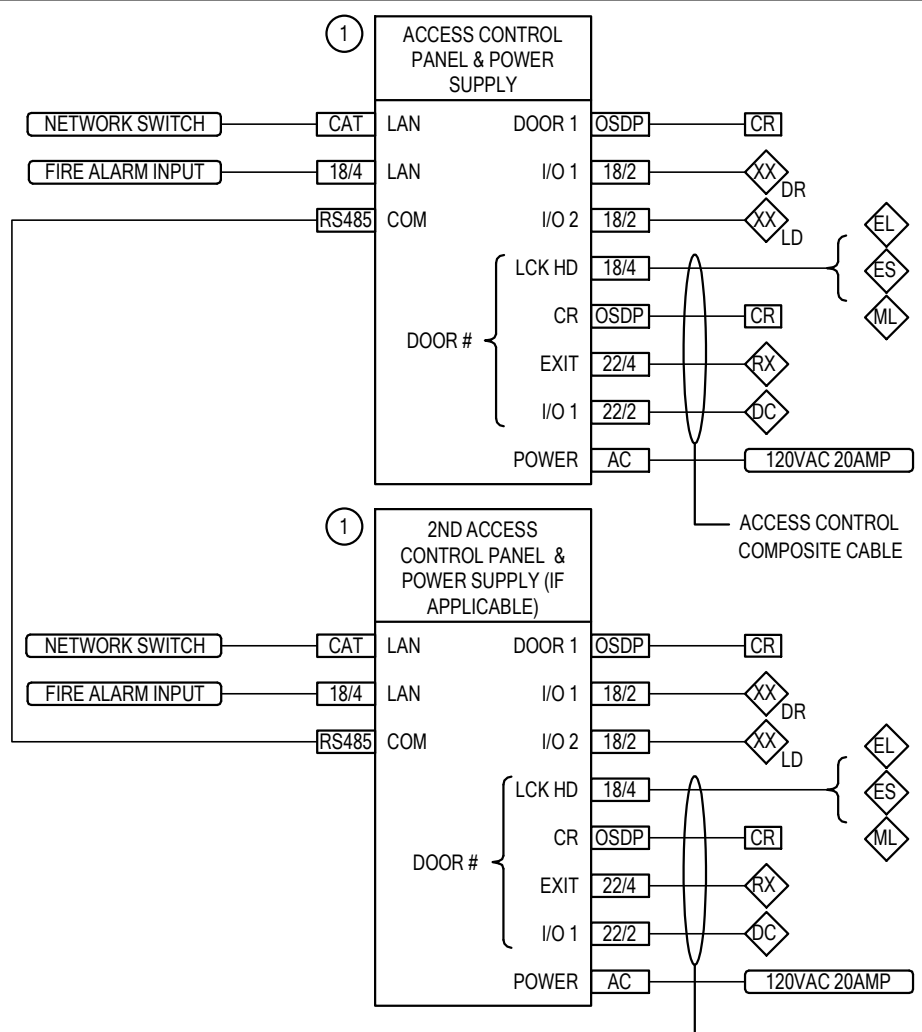
1. PROVIDE MANUFACTURER SUGGESTED JUNCTION BACKBOX WITH A 3/4" CONDUIT INSTALLED UP TO THE ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED RACEWAY TO ROUTE THE CAMERA CATEGORY CABLE BACK TO THE DESIGNATED TELECOMMUNICATIONS EQUIPMENT RACK WITH INDUSTRY STANDARD SERVICE LOOPS ON EACH END OF THE CATEGORY CABLE. TERMINATE THE CATEGORY CABLE TO THE ASSIGNED PATCH PANEL AND TEST.



**DIAGRAM EY401** TYPICAL CAMERA MOUNTING  
NTS

**DIAGRAM NOTE:**

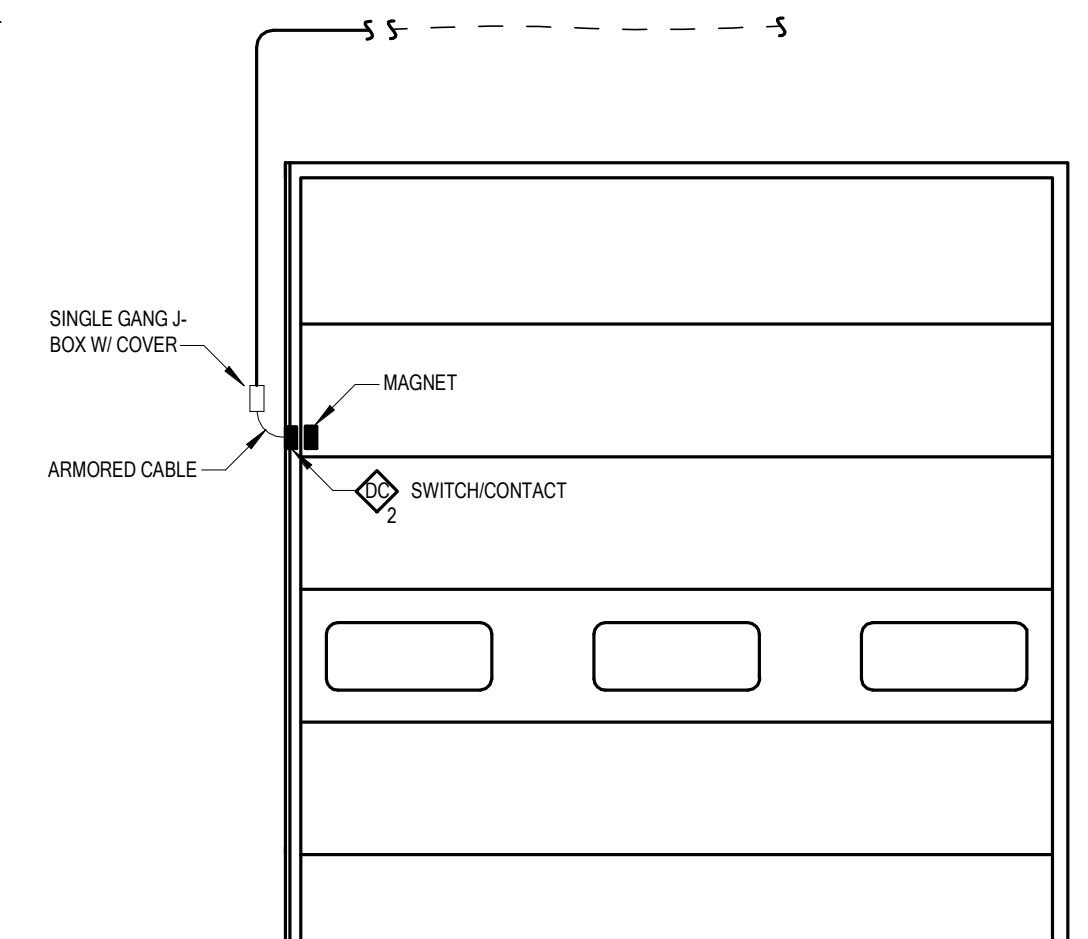
1. DEVICES SHOWN DIAGRAMMATICALLY ONLY.
2. PROVIDE 2" CONDUIT(S) UP TO ACCESSIBLE CEILING SPACE FROM THE ACCESS CONTROL HEAD-END PANEL(S). CONDUIT FILL RATIO IS NOT TO EXCEED 40%.



**DIAGRAM EY002** TYPICAL ACCESS CONTROL - ONE LINE DIAGRAM  
NTS

**DIAGRAM NOTE:**

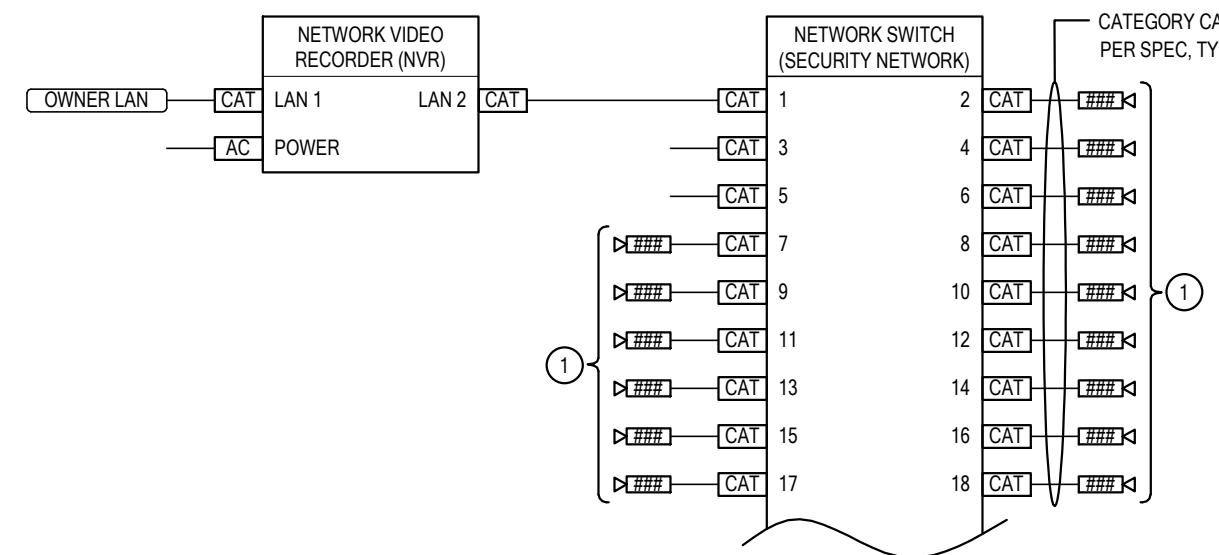
1. PROVIDE A SINGLE GANG JUNCTION BACKBOX WITH A 3/4" CONDUIT INSTALLED UP TO THE ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED RACEWAY TO ROUTE CABLE TO THE DESIGNATED CONTROL PANEL WITH INDUSTRY STANDARD SERVICE LOOPS ON EACH END OF THE CABLES.



**DIAGRAM EY104** TYPICAL GARAGE DOOR WITH CONTACT  
NTS

**DIAGRAM NOTE:**

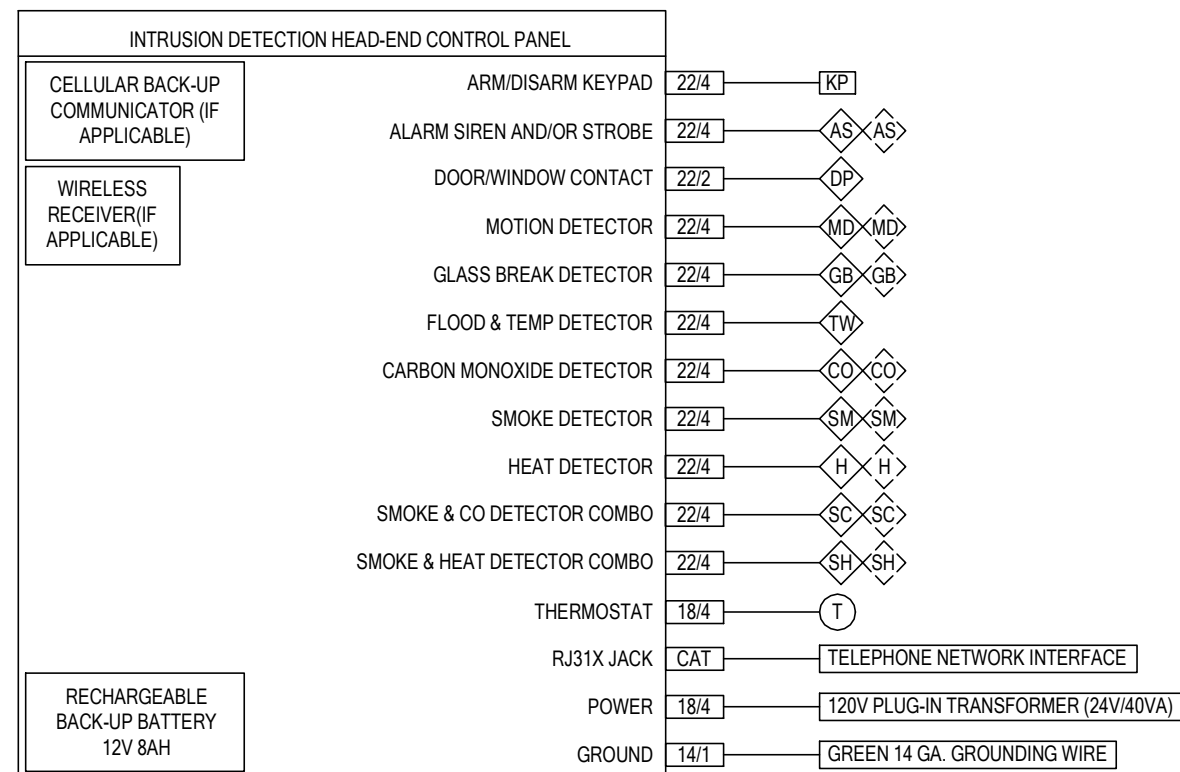
1. CAMERAS SHOWN DIAGRAMMATICALLY ONLY.
2. REFER TO THE SECURITY PLANS FOR SURVEILLANCE CAMERA LOCATIONS.



**DIAGRAM EY001** TYPICAL VIDEO SURVEILLANCE SYSTEM - ONE LINE DIAGRAM  
NTS

**DIAGRAM NOTE:**

1. DEVICES SHOWN DIAGRAMMATICALLY ONLY.
2. REFER TO THE SECURITY PLANS FOR DEVICE LOCATIONS.
3. PROVIDE A 2" CONDUIT UP TO ACCESSIBLE CEILING SPACE FROM THE INTRUSION HEAD-END PANEL.



**DIAGRAM EY003** TYPICAL INTRUSION DETECTION SYSTEM - ONE LINE DIAGRAM  
NTS



REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
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PIC:	BNA

DRAWING SET STATUS

BID SET

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SHEET TITLE

SYSTEM DIAGRAMS



A

B

C

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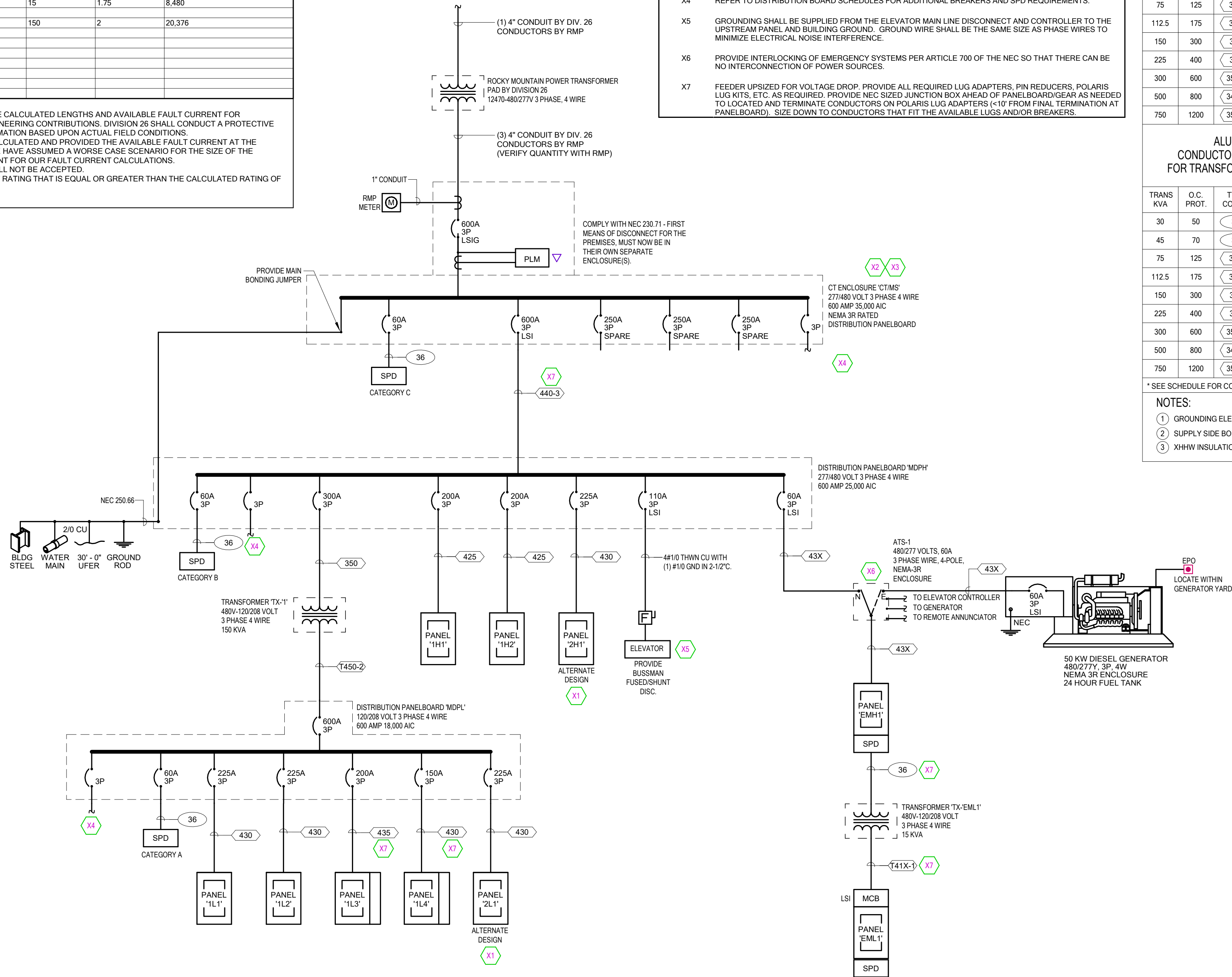
## FAULT CURRENT SCHEDULE (REFERENCE ONLY)

DEVICE	VOLTAGE	FEEDER LENGTH	FEEDER AMPACITY	FAULT AT DEVICE	TRANSFORMER KVA	TRANSFORMER Z%	TRANSFORMER FAULT AT PRIMARY
CTMS	480V			35,000			
MDPH	480V	284'	800	21,726			
1H1	480V	18'	200	19,620			
1H2	480V	22'	200	19,204			
2H1	480V	75'	225	15,218			
ATS-1	480V	23' / 292'	150	18,274 / 3,021			
EMH1	480V	20'	60	13,899			
TX-EML1	480V	12'	30	2,142	15	1.75	8,480
EM1	208V	12'	60	2,015			
TX-1	480V	15'	300	16,446	150	2	20,376
MDPL	208V	13'	600	15,723			
1L1	208V	21'	225	12,913			
1L2	208V	23'	225	12,673			
1L3	208V	143'	250	6,696			
1L4	208V	180'	225	5,388			
2L1	208V	66'	225	9,244			
GEN	480V			UTILITY			

- NOTES:
- REFERENCE ONLY: THE SCHEDULE SHOWN IS FOR REFERENCE ONLY. THE CALCULATED LENGTHS AND AVAILABLE FAULT CURRENT FOR ELECTRICAL EQUIPMENT IS BASED UPON MODEL INFORMATION WITH ENGINEERING CONTRIBUTIONS. DIVISION 26 SHALL CONDUCT A PROTECTIVE DEVICE STUDY PER SPECIFICATION SECTION 26.0573 AND PROVIDE INFORMATION BASED UPON ACTUAL FIELD CONDITIONS.
  - AT TIME OF DOCUMENT PREPARATION THE UTILITY COMPANY HAD NOT CALCULATED AND PROVIDED THE AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE PAD MOUNTED TRANSFORMER. BECAUSE OF THIS WE HAVE ASSUMED A WORSE CASE SCENARIO FOR THE SIZE OF THE TRANSFORMER AND ITS IMPEDANCE AND USED AN INFINITE FAULT CURRENT FOR OUR FAULT CURRENT CALCULATIONS.
  - ALL EQUIPMENT SHALL BE FULL RATED. SERIES RATING OF EQUIPMENT WILL NOT BE ACCEPTED.
  - ALL OVERCURRENT PROTECTION DEVICES SHALL HAVE A FAULT CURRENT RATING THAT IS EQUAL OR GREATER THAN THE CALCULATED RATING OF THE SWITCHGEAR AND/OR PANELBOARD.

## SHEET KEYNOTES

- X1 PANEL AND FEEDER SHOWN ARE FOR BID ALTERNATE #1 AND NOT PART OF THE BASE BID. BREAKER TO BE INCLUDED WITHIN BASE BID.
- X2 PROVIDE A PERMANENT PLAQUE ADJACENT TO THE MAIN SWITCHBOARD WITH AVAILABLE FAULT CURRENT CALCULATIONS.
- X3 GFCI PROTECTION OF THE MAIN BREAKER SHALL BE TESTED PRIOR TO THE RELEASE OF THE METER AND RESULTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE.
- X4 REFER TO DISTRIBUTION BOARD SCHEDULES FOR ADDITIONAL BREAKERS AND SPD REQUIREMENTS.
- X5 GROUNDING SHALL BE SUPPLIED FROM THE ELEVATOR MAIN LINE DISCONNECT AND CONTROLLER TO THE UPSTREAM PANEL AND BUILDING GROUND. GROUND WIRE SHALL BE THE SAME SIZE AS PHASE WIRES TO MINIMIZE ELECTRICAL NOISE INTERFERENCE.
- X6 PROVIDE INTERLOCKING OF EMERGENCY SYSTEMS PER ARTICLE 700 OF THE NEC SO THAT THERE CAN BE NO INTERCONNECTION OF POWER SOURCES.
- X7 FEEDER UPSIZED FOR VOLTAGE DROP. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.



1 ONE-LINE DIAGRAM

ALUMINUM CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY						ALUMINUM XHHW-2 CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY △ 480-208/120					
TRANS KVA	O.C. PROT.	TYPE COND.	GEQ ①	MIN. Z%	O.C. PROT.	TYPE COND.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUIT SIZE ③	BONDING JUMPER ②
30	50	36	8 CU	3	100	T41X-1	120	1	4	1/0	8 CU
45	70	34	4 CU	3	175	T44X-1	180	1	4	4/0	4 CU
75	125	32X	2 CU	3	225	T43S-1	250	1	4	350	3" 1/0 AL
112.5	175	34X	2 CU	4	400	T42S-2	410	2	4	250	3" 1/0 AL
150	300	350	2/0 CU	4	600	T450-2	620	2	4	500	4" 4/0 AL
225	400	375	2/0 CU	4	800	T440-3	810	3	4	400	4" 4/0 AL
300	600	350-2	3/0 CU	5	1200	T450-4	1240	4	4	500	4" 250 AL
500	800	340-3	3/0 CU	5	1600	T440-5	1620	6	4	400	4" 300 AL
750	1200	350-4	3/0 CU	5	3000	T450-10	3100	10	4	500	4" 750 AL

ALUMINUM CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY						ALUMINUM XHHW-2 CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY (200% NEUTRAL) △ 480-208/120					
TRANS KVA	O.C. PROT.	TYPE COND.	GEQ ①	MIN. Z%	O.C. PROT.	TYPE COND.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUIT SIZE ③	BONDING JUMPER ②
30	50	36	6 CU	3	100	T52X-1	108	1	5	2/0	2-1/2" 6 CU
45	70	34	2 CU	3	175	T530-1	184	1	5	300	3" 1/0 AL
75	125	32X	2 CU	3	225	T550-1	248	1	5	500	4" 1/0 AL
112.5	175	34X	1/0 CU	4	400	T53S-2	400	2	5	350	3" 3/0 AL
150	300	350	2/0 CU	4	600	T53S-3	600	3	5	350	4" 4/0 AL
225	400	375	2/0 CU	4	800	T53S-4	800	4	5	500	4" 4/0 AL
300	600	350-2	3/0 CU	5	1200	T550-5	1240	5	5	500	4" 350 AL
500	800	340-3	3/0 CU	5	1600	T550-7	1736	7	5	500	4" 500 AL
750	1200	350-4	3/0 CU	5	3000	T575-10	3080	10	5	750	4" 750 AL

\*SEE SCHEDULE FOR CONDUIT AND WIRE SIZE

NOTES:

- GROUNDING ELECTRODE CONDUCTOR, (NEC 250.66)
- SUPPLY SIDE BONDING JUMPER, (NEC 250.102 (C)(1))
- XHHW INSULATION.

COPPER CONDUCTOR & CONDUIT SCHEDULE					
TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUIT SIZE	EQ. GND. COND. (CU)
20	30	3/4"	2	10	THHN 10
30	30	3/4"	3	10	THHN 10
40	30	3/4"	4	10	THHN 10
26	40	1"	2	8	THHN 10
36	40	1"	3	8	THHN 10
46	55	1"	4	6	THHN 8
24	70	1-1/4"	2	4	THHN 10
34	70	1-1/4"	3	4	THHN 8
44	70	1-1/4"	4	4	THHN 8
22	85	1-1/4"	2	3	THHN 8
32	85	1-1/4"	3	3	THHN 8
42	85	1-1/2"	4	3	THHN 8
32	95	1-1/2"	3	2	THHN 6
42	95	1-1/2"	4	2	THHN 6

## GENERAL SHEET NOTES

- EMERGENCY EQUIPMENT INDICATED SHALL BE SELECTIVELY COORDINATED TO 0.1 SECONDS PER SPECIFICATION SECTION 26.0573. STUDY SHALL BE SUBMITTED PRIOR TO ALL OTHER EQUIPMENT SUBMITTALS.
- SEE PLANS FOR LOCATION OF PANELBOARDS, SWITCHBOARDS TRANSFER SWITCHES, BUSWAY, TRANSFORMERS DISCONNECTS, ETC. AND PROVIDE NEMA RATED ENCLOSURES AS REQUIRED.
- SUBMIT DIMENSIONED DRAWINGS OF ALL ELECTRICAL ROOMS SHOWING ALL EQUIPMENT LOCATIONS WITHIN EACH SPACE BASED ON THE EQUIPMENT MANUFACTURER GEAR SIZES WITH ALL EQUIPMENT SHOP DRAWINGS.
- PROVIDE AN ARC ENERGY-REDUCING MAINTENANCE SWITCH FOR ALL OVER-CURRENT PROTECTIVE DEVICES RATED 1200 AMPS OR HIGHER. REFER TO SPECIFICATION SECTION 26.2815 OVER-CURRENT PROTECTIVE DEVICES AND 240.87 OF CURRENT NATIONAL ELECTRICAL CODE (NEC).
- PROVIDE ELECTRONIC TRIP CIRCUIT BREAKERS FOR ALL CIRCUIT BREAKERS 400 AMPS AND ABOVE. REFER TO THE OVERCURRENT PROTECTION SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
- ALL EQUIPMENT SHALL BE FULLY RATED. NO SERIES RATINGS ARE ALLOWED.
- REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL DETAILS.
- PROVIDE PRELIMINARY SHORT CIRCUIT STUDY SUBMITTAL PRIOR TO SUBMITTAL OF ANY ELECTRICAL EQUIPMENT. REFER TO SPECIFICATION SECTION 26.0573 PROTECTIVE DEVICE STUDY.
- PROVIDE A SURGE PROTECTIVE DEVICE ON EACH SWITCHBOARD AND PANELBOARD LOCATED ON THE EMERGENCY DISTRIBUTION SYSTEM. REFER TO SPECIFICATION SECTION 26.4313 SURGE-PROTECTIVE DEVICES (SPD) FOR LOCATION CATEGORY.
- REFER TO DISTRIBUTION BOARD AND PANELBOARD SCHEDULES FOR ADDITIONAL BREAKERS AND SPD REQUIREMENTS.
- GFCI PROTECTION OF THE MAIN BREAKER SHALL BE TESTED PRIOR TO THE RELEASE OF THE METER AND RESULTS SHALL BE SUBMITTED TO THE OGDEN SCHOOL DISTRICT BUILDING OFFICIAL.

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE					
TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUIT SIZE	EQ. GND. COND. (AL)
31X	120	2"	3	1/0	XHHW-2 4
41X	120	2"	4	1/0	XHHW-2 4
51X	96	2"	4	1/0	XHHW-2 4
32X	135	2"	3	2/0	XHHW-2 4
42X	135	2"	4	2/0	XHHW-2 4
52X	108	2"	5"	2/0	XHHW-2 4
33X	155	2"	3	3/0	XHHW-2 4
43X	155	2"	4	3/0	XHHW-2 4
53X	124	3"	5"	3/0	XHHW-2 4
34X	180	2"	3	4/0	XHHW-2 4
44X	180	3"	4	4/0	XHHW-2 4
54X	144	3"	5"	4/0	XHHW-2 2
35X	205	2"	3	250	XHHW-2 2
45X	205	3"	4	250	XHHW-2 2
55X	164	3"	5"	250	XHHW-2 2
36X	230	3"	3	300	XHHW-2 2
46X	230	3"	4	300	XHHW-2 2
56X	184	3"	5"	300	XHHW-2 2
37X	250	3"	3	350	XHHW-2 2
47X	250	3"	4	350	XHHW-2 2
57X	200	3"	5"	350	XHHW-2 2
38X	270	3"	3	400	XHHW-2 2
48X	270	3"	4	400	XHHW-2 2
58X	216	3"	5"	400	XHHW-2 2
39X	310	4"	3	500	XHHW-2 1
49X	310	4"	4	500	XHHW-2 1
59X	248	4"	5"	500	XHHW-2 1
375	385	4"	3	750	XHHW-2 1
475	385	4"	4	750	XHHW-2 1
575	308	4"	5"	750	XHHW-2 1

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE FOR PARALLEL RUNS							
TYPE	MAX O.C PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUIT SIZE	CONDUIT SIZE	EQ. GND. COND. (AL)
32S-2	400	410	2	3	250	2-1/2"	2/0
42S-2	400	410	2	4	250	2-1/2"	2/0
53S-2	400	400	2	5'	350	3"	2/0
35S-2	600	620	2	3	500	3"	2/0
45S-2	600	620	2	4	500	3"	2/0
53S-3	600	600	3	5'	350	3"	2/0
340-3	800	810	3	3	400	2-1/2"	3/0
440-3	800	810	3	4	400	3"	3/0
53S-4	800	800	4	5'	350	4"	3/0
37S-3	1000	1155	3	3	750	4"	4/0
47S-3	1000	1155	3	4	750	4"	4/0
53S-5	1000	1000	5	5'	350	4"	4/0
350-4	1200	1240	4	3	500	4"	250
450-4	1200	1240	4	4	500	4"	250
550-5	1200	1240	5	5'	500	4"	250
340-6	1600	1620	6	3	400	4"	350
440-6	1600	1620	6	4	400	4"	350
550-7	1600	1736	7	5'	500	4"	350
47S-6	2000	2310	6	4	750	4"	400
47S-7	2500	2695	7	4	750	5"	600
47S-8	3000	3080	8	4	750	5"	600
47S-11	4000	4235	11	4	750	5"	750

NOTES:

IN PARALLEL RUNS SIZE GND. COND. IN ACCORDANCE WITH NEC PARA. 250.122.

GND. CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS

\* 200% NEUTRAL, DERATED TO 80% BASED ON NEC 310.15 (B)(3)

\*\* COPPER CONDUCTOR (XHHW)

PROVIDE COMPACT STRANDED ALUMINUM ASSOCIATION 8000 SERIES ALLOY CONDUCTORS.

PROVIDE TERMINATION FOR ALUMINUM ALLOY CONDUCTORS OF HYDRAULIC COMPRESSION TYPE ONLY, LISTED UNDER UL 486-B, MARKED "AL/CUT" FOR 75 DEGREE RATED CIRCUITS.

PROVIDE ALL ELECTRICAL EQUIPMENT WITH PROPER SIZING TO ACCOMMODATE ALUMINUM CONDUCTORS. COORDINATE WITH EQUIPMENT SUPPLIER.

REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS  
BID SET

THIS DRAWING SET IS INTENDED  
TO BE PRINTED IN COLOR

SHEET TITLE

ONE-LINE  
DIAGRAM

SHEET NUMBER

E501



A

PANELBOARD SCHEDULE																								
PANEL: 1H1					TYPE: Type 1					VOLTS: 480/277 Y					PHASE: 3					WIRES: 4				
LOCATION: ELEC. 114					MAINS/BUS AMPS: 200					LUGS: Standard					X DOOR-IN-DOOR									
FED FROM: MDPH					MAIN DISC. TYPE: MLO					200% NEUTRAL														
MOUNTING: SURFACE					MAIN DISC. TRIP: MLO					ISO GROUND														
BUSSING:										SPD														
BRANCH BREAKERS																								
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM									
NORTH LIGHTING HIGH BAY	20 A	1	#12	1	3794 VA						2													
TURF FIELD LIGHTING	20 A	1	#12	3		3523 VA					4													
TURF FIELD LIGHTING	20 A	1	#10	5			3523 VA				6													
TURF FIELD LIGHTING	20 A	1	#10	7							8													
BATHROOM/TRAINING ROOM	20 A	1	#12	9			740 VA				10													
RT-1	15 A	3	#12	11				2660 VA			12													
--	--	--	--	13	2660 VA						14													
--	--	--	--	15		2660 VA					16													
WH-1	25 A	3	#10	17			4500 VA				18													
--	--	--	--	19	4500 VA						20													
--	--	--	--	21		4500 VA					22													
TURF FIELD LIGHTING	20 A	1	#12	23			1355 VA				24													
LIGHTING 2ND FLR HALL	20 A	1	#12	25	421 VA						26													
				27							28													
WEIGHT ROOM LIGHTING	20 A	1	#12	29			1860 VA				30													
SPARE	20 A	1	--	31	0 VA		0 VA				32	--	1	20 A	SPARE									
SPARE	20 A	1	--	33		0 VA				0 VA	34	--	1	20 A	SPARE									
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE									
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE									
SPARE	20 A	1	--	39		0 VA			0 VA		40	--	1	20 A	SPARE									
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE									
					14898	11423	13898	TOTAL (VA)					CONNECTED LOAD TOTAL											
					55 A	41 A	52 A	AMPS/PHASE					40220 VA											
										AIC RATING: 19.620					AMPS RMS SYSM.									
NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER																								

B

PANELBOARD SCHEDULE																								
PANEL: 1L1					TYPE: Type 1					VOLTS: 120/208 Y					PHASE: 3					WIRES: 4				
LOCATION: ELEC. 114					MAINS/BUS AMPS: 225										LUGS: Standard									
FED FROM: MDPL					MAIN DISC. TYPE: MLO										X DOOR-IN-DOOR									
MOUNTING: SURFACE					MAIN DISC. TRIP: MLO										200% NEUTRAL									
BUSSING:															ISO GROUND									
															SPD									
BRANCH BREAKERS																								
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM									
RECEPT, WEIGHT ROOM	20 A	1	#12	1	720 VA						2													
RECEPT, WEIGHT ROOM	20 A	1	#12	3		1260 VA					4													
RECEPT, WEIGHT ROOM	20 A	1	#12	5		1080 VA					6													
RECEPT, WEIGHT ROOM	20 A	1	#10	7	1080 VA						8													
RECEPT, WEIGHT ROOM	20 A	1	#12	9		1080 VA				0 VA	10	--	1	20 A	SPARE									
RECEPT, WEIGHT ROOM	20 A	1	#12	11		540 VA				0 VA	12	--	1	20 A	SPARE									
RECEPT, WEIGHT ROOM	20 A	1	#12	13					0 VA		14	--	1	20 A	SPARE									
				15						0 VA	16	--	1	20 A	SPARE									
RP1	20 A	1	#12	17		500 VA				0 VA	18	--	1	20 A	SPARE									
				19						0 VA	20	--	1	20 A	SPARE									
				21						0 VA	22	--	1	20 A	SPARE									
				23						0 VA	24	--	1	20 A	SPARE									
WEIGHT ROOM DISPLAY	20 A	1	#12	25	1000 VA					0 VA	26	--	1	20 A	SPARE									
				27						0 VA	28	--	1	20 A	SPARE									
				29						0 VA	30	--	1	20 A	SPARE									
SPARE	20 A	1	--	31	0 VA					0 VA	32	--	1	20 A	SPARE									
SPARE	20 A	1	--	33		0 VA				0 VA	34	--	1	20 A	SPARE									
SPARE	20 A	1	--	35			0 VA			0 VA	36	--	1	20 A	SPARE									
SPARE	20 A	1	--	37	0 VA					0 VA	38	--	1	20 A	SPARE									
SPARE	20 A	1	--	39		0 VA				0 VA	40	--	1	20 A	SPARE									
SPARE	20 A	1	--	41			0 VA			0 VA	42	--	1	20 A	SPARE									
					2800	2340	2120	TOTAL (VA)																
					24 A	20 A	18 A	AMPS/PHASE																
															CONNECTED LOAD TOTAL									
															6760 VA									
															A/C RATING: 12.913									
															AMPS RMS SYSTEM									
NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER																								



Autodesk Docs: /24-013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field RFP2.rvt  
9/11/2024 4:16:30 PM

A

B

C

D

E

## PANELBOARD SCHEDULE

PANEL: 1L4		TYPE: Type 1	VOLTS: 120/208 Y	PHASE: 3	WIRES: 4										
LOCATION: TURF FIELD-2 100-2		MAINS/BUS AMPS: 150		LUGS: Standard											
FED FROM: MDPL		MAIN DISC. TYPE: MLO		X DOOR-IN-DOOR											
MOUNTING: SURFACE		MAIN DISC. TRIP: MLO		200% NEUTRAL											
BUSSING:				ISO GROUND											
				SPD											
BRANCH BREAKERS															
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	WIRE SIZE	POLE	AMPS	ITEM	
BASEBALL NET	15 A	3	#12	1	793 VA			48 VA			2	#12	1	15 A	ATC-1
--	--	--	--	3	793 VA			180 VA			4	#12	1	20 A	RECEPT. MECH YARD
--	--	--	5		793 VA						6	--	1	--	SPACE ONLY
BASEBALL NET	15 A	3	#12	7	793 VA						8	--	1	--	SPACE ONLY
--	--	--	--	9	793 VA						10	--	1	20 A	SPARE
--	--	--	--	11	900 VA			793 VA			12	--	1	20 A	SPARE
RECEPT. TURF FIELD-2 100-2	20 A	1	#12	13	900 VA			0 VA			14	--	1	20 A	SPARE
RECEPT. TURF FIELD-2 100-2	20 A	1	#10	15	1080 VA			0 VA			16	--	1	20 A	SPARE
RECEPT. TURF FIELD-2 100-2	20 A	1	#10	17		900 VA		0 VA			18	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	19	180 VA			0 VA			20	--	1	20 A	SPARE
GUH-1	20 A	1	#12	21		1320 VA		0 VA			22	--	1	20 A	SPARE
GUH-1	20 A	1	#8	23		1320 VA		0 VA			24	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	25	180 VA			0 VA			26	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	27		180 VA		0 VA			28	--	1	20 A	SPARE
EC PUMPS	15 A	1	#12	29		180 VA		0 VA			30	--	1	20 A	SPARE
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33	0 VA			0 VA			34	--	1	20 A	SPARE
SPARE	20 A	1	--	35		0 VA		0 VA			36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA		0 VA			40	--	1	20 A	SPARE
SPARE	20 A	1	--	41		0 VA		0 VA			42	--	1	20 A	SPARE
2893 4345 3985 TOTAL (VA) 11224 VA															
24 A 38 A 35 A AMPS/PHASE															
CONNECTED LOAD TOTAL 11224 VA															
AIC RATING: 5.388 AMPS RMS SYSM.															
NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER															

## SWITCHBOARD SCHEDULE

SWITCHBOARD: CT/MS		VOLTS: 480/277 Y	MAINS/BUS AMPS: 600		
LOCATION:		PHASE: 3	MAIN DISC. TYPE: MCB		
FED FROM:		WIRES: 4	MAIN DISC. TRIP: 600		
MOUNTING:		LUGS: Standard	MAIN DISC. FRM: 600		
ENCLOSURE: NEMA 3R		DOOR-IN-DOOR: X			
BUSSING:		SPD: X			
CKT	CIRCUIT DESCRIPTION	# OF POLES	AMPS	Load	REMARKS
1	MDPH	3	600 A	296795 VA	
2	SPARE	3	250 A	0 VA	
3	SPARE	3	250 A	0 VA	
4	SPARE	3	250 A	0 VA	
5	SPACE ONLY	1	--	--	
6	SPACE ONLY	1	--	--	
7	SPACE ONLY	1	--	--	
8	SPACE ONLY	1	--	--	
9	SPACE ONLY	1	--	--	
10	SPACE ONLY	1	--	--	
TOTAL CONN. LOAD: 296795 VA					
TOTAL AMPS: 356 A					
AIC RATING: 35.029					
NOTES:					

## PANELBOARD SCHEDULE

PANEL: 1L3		TYPE: Type 1	VOLTS: 120/208 Y	PHASE: 3	WIRES: 4										
LOCATION:		MAINS/BUS AMPS: 200		LUGS: Standard											
FED FROM: MDPL		MAIN DISC. TYPE: MLO		X DOOR-IN-DOOR											
MOUNTING: SURFACE		MAIN DISC. TRIP: MLO		200% NEUTRAL											
BUSSING:				ISO GROUND											
				SPD											
BRANCH BREAKERS															
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	WIRE SIZE	POLE	AMPS	ITEM	
RECEPT. Room 102-1, 103-2...	20 A	1	#12	1	1260 VA			696 VA			2	#12	1	15 A	CP-1
RECEPT. TRAINING ROOM-1...	20 A	1	#12	3	360 VA						4				
RECEPT. Room 103-2, 104-1	20 A	1	#12	5		1860 VA					6				
*ICE MACHINE	20 A	1	#12	7	1000 VA						8				
RECEPT. TRAINING ROOM-1...	20 A	1	#12	9	180 VA						10				
RECEPT. TRAINING ROOM-1...	20 A	1	#12	11		180 VA					12				
* WATER FOUNTAIN	20 A	1	#12	13	180 VA						14				
* WATER FOUNTAIN	20 A	1	#12	15		180 VA					16				
*HEAT THERAPY MACHINE	20 A	1	#12	17		180 VA					18				
ADA DOOR. RECEPT. Room...	20 A	1	#12	19	540 VA						20				
EUH-1	25 A	2	#10	21		1654 VA					22				
--	--	--	--	23		1654 VA			--	24	--	1	--		SPACE ONLY
EF-1	30 A	1	#10	25	2400 VA			--			26	--	1	--	SPACE ONLY
ATC-1	20 A	1	#12	27		948 VA		--			28	--	1	--	SPACE ONLY
GUH-1	20 A	1	#12	29		1320 VA					30	--	1	--	SPACE ONLY
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33	0 VA			0 VA			34	--	1	20 A	SPARE
SPARE	20 A	1	--	35		0 VA		0 VA			36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA		0 VA			40	--	1	20 A	SPARE
SPARE	20 A	1	--	41		0 VA		0 VA			42	--	1	20 A	SPARE
6076 3322 5194 TOTAL (VA) 14591 VA															
53 A 28 A 46 A AMPS/PHASE															
CONNECTED LOAD TOTAL 14591 VA															
AIC RATING: 6.696 AMPS RMS SYSM.															
NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER															

## SWITCHBOARD SCHEDULE

SWITCHBOARD: MDPH		VOLTS: 480/277 Y	MAINS/BUS AMPS: 600		
LOCATION: ELEC. 114		PHASE: 3	MAIN DISC. TYPE: MLO		
FED FROM: CT/MS		WIRES: 4	MAIN DISC. TRIP: MLO		
MOUNTING: I-LINE		LUGS: Standard	MAIN DISC. FRM:		
ENCLOSURE:		DOOR-IN-DOOR: X			
BUSSING:		SPD: X			
CKT	CIRCUIT DESCRIPTION	# OF POLES	AMPS	Load	REMARKS
1	1H1	3	200 A	40220 VA	
2	1H2	3	200 A	32424 VA	
3	SPARE	3	250 A	0 VA	
4	2H1	3	225 A	65549 VA	
5	TX-1	3	300 A	85320 VA	
6	ATS-1	3	60 A	16086 VA	
7	ELEVATOR (LSI)	3	110 A	58197 VA	
8	SPARE	3	250 A	0 VA	
9	SPARE	3	250 A	0 VA	
10	SPACE ONLY	1	--	--	
TOTAL CONN. LOAD: 296295 VA					
TOTAL AMPS: 356 A					
AIC RATING: 21.726					
NOTES:					

## PANELBOARD SCHEDULE

PANEL: 1L3-A		TYPE: Type 1	VOLTS: 120/208 Y	PHASE: 3	WIRES: 4										
LOCATION:		MAINS/BUS AMPS: 225		LUGS: Standard											
FED FROM:		MAIN DISC. TYPE: MLO		X DOOR-IN-DOOR											
MOUNTING: SURFACE		MAIN DISC. TRIP: MLO		200% NEUTRAL											
BUSSING:				ISO GROUND											
				SPD											
BRANCH BREAKERS															
ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	WIRE SIZE	POLE	AMPS	ITEM	
RECEPT. Room 102-1, 103-2...	20 A	1	#12	1	1260 VA			696 VA			2	#12	1	15 A	CP-1
RECEPT. TRAINING ROOM-1...	20 A	1	#12	3	360 VA						4	#12	1	20 A	RECEPT. TURF FIELD-2 100-2
RECEPT. Room 103-2, 104-1	20 A	1	#12	5		540 VA		360 VA			6				
*ICE MACHINE	20 A	1	#12	7	180 VA						8				
RECEPT. TRAINING ROOM-1...	20 A	1	#12	9	180 VA						10				
RECEPT. TRAINING ROOM-1...	20 A	1	#12	11		180 VA					12				
* WATER FOUNTAIN	20 A	1	#12	13	180 VA						14				
* WATER FOUNTAIN	20 A	1	#12	15		180 VA					16				
*HEAT THERAPY MACHINE	20 A	1	#12	17		180 VA					18				
BNA PWR Junction Box Free...	20 A	1	#12	19	720 VA						20				
EUH-1	25 A	2	#10	21		1654 VA					22				
--	--	--	--	23		1654 VA			--	24	--	1	--		SPACE ONLY
EF-1	40 A	1	#8	25	2400 VA			--			26	--	1	--	SPACE ONLY
ATC-1	20 A	1	#12	27		768 VA		--			28	--	1	--	SPACE ONLY
GUH-1	20 A	1	#12	29		1320 VA		0 VA			30	--	1	--	SPACE ONLY
SPARE	20 A	1	--	31	0 VA			0 VA			32	--	1	20 A	SPARE
SPARE	20 A	1	--	33	0 VA			0 VA			34	--	1	20 A	SPARE
SPARE	20 A	1	--	35		0 VA		0 VA			36	--	1	20 A	SPARE
SPARE	20 A	1	--	37	0 VA			0 VA			38	--	1	20 A	SPARE
SPARE	20 A	1	--	39		0 VA		0 VA			40	--	1	20 A	SPARE
SPARE	20 A	1	--	41		0 VA		0 VA			42	--	1	20 A	SPARE
5436 3502 3874 TOTAL (VA) 12811 VA															
46 A 29 A 33 A AMPS/PHASE															
CONNECTED LOAD TOTAL 12811 VA															
AIC RATING: UTILITY AMPS RMS SYSM.															
NOTES: * PROVIDE 5mA GFCI CIRCUIT BREAKER ** PROVIDE 30mA CIRCUIT BREAKER															

## SWITCHBOARD SCHEDULE

SWITCHBOARD: MDPL		VOLTS: 120/208 Y	MAINS/BUS AMPS: 600		
LOCATION: ELEC. 114		PHASE: 3	MAIN DISC. TYPE: MCB		
FED FROM: TX-1		WIRES: 4	MAIN DISC. TRIP: 600		
MOUNTING:		LUGS: Standard	MAIN DISC. FRM: 600		
ENCLOSURE:		DOOR-IN-DOOR: X			
BUSSING:		SPD: X			
CKT	CIRCUIT DESCRIPTION	# OF POLES	AMPS	Load	REMARKS
1	1L1	3	225 A	7260 VA	
2	1L2	3	225 A	7695 VA	
3	SPARE	3	225 A	0 VA	
4	2L1	3	225 A	26212 VA	
5	1L3	3	200 A	14591 VA	
6	1L4	3	150 A	11224 VA	
7	SCOREBOARD	2	125 A	19338 VA	
8	SPARE	3	225 A	0 VA	
9	SPARE	3	225 A	0 VA	
10					
TOTAL CONN. LOAD: 85820 VA					
TOTAL AMPS: 236 A					
AIC RATING: 15.723					
NOTES:					

### PANELBOARD GENERAL NOTES

- PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "XX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.), 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
- PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVER, LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
- PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
- ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
- PROVIDE A DEDICATED 15A 3P BREAKER WITHIN EVERY PANELBOARD FOR POWER/REFERENCE LINE TO ASSOCIATED SERIES 7100 METER.

### INDEX OF PANELBOARD SCHEDULES

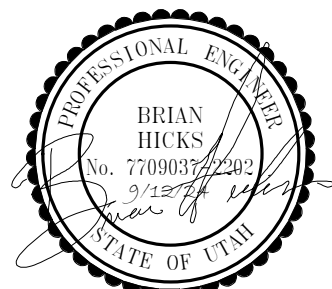
1L4	1L3	L3-A
CT/MS	MDPH	MDPL



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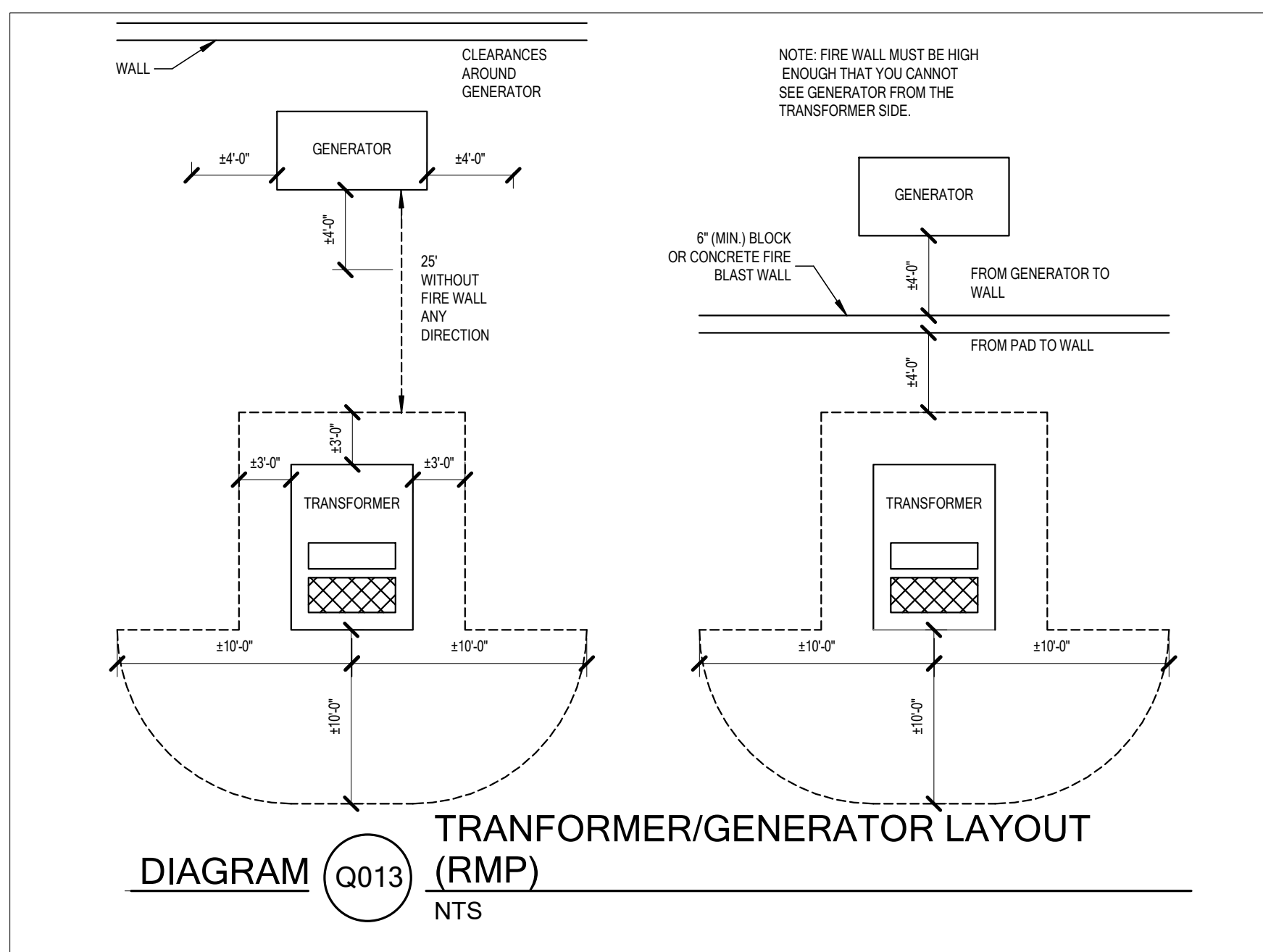
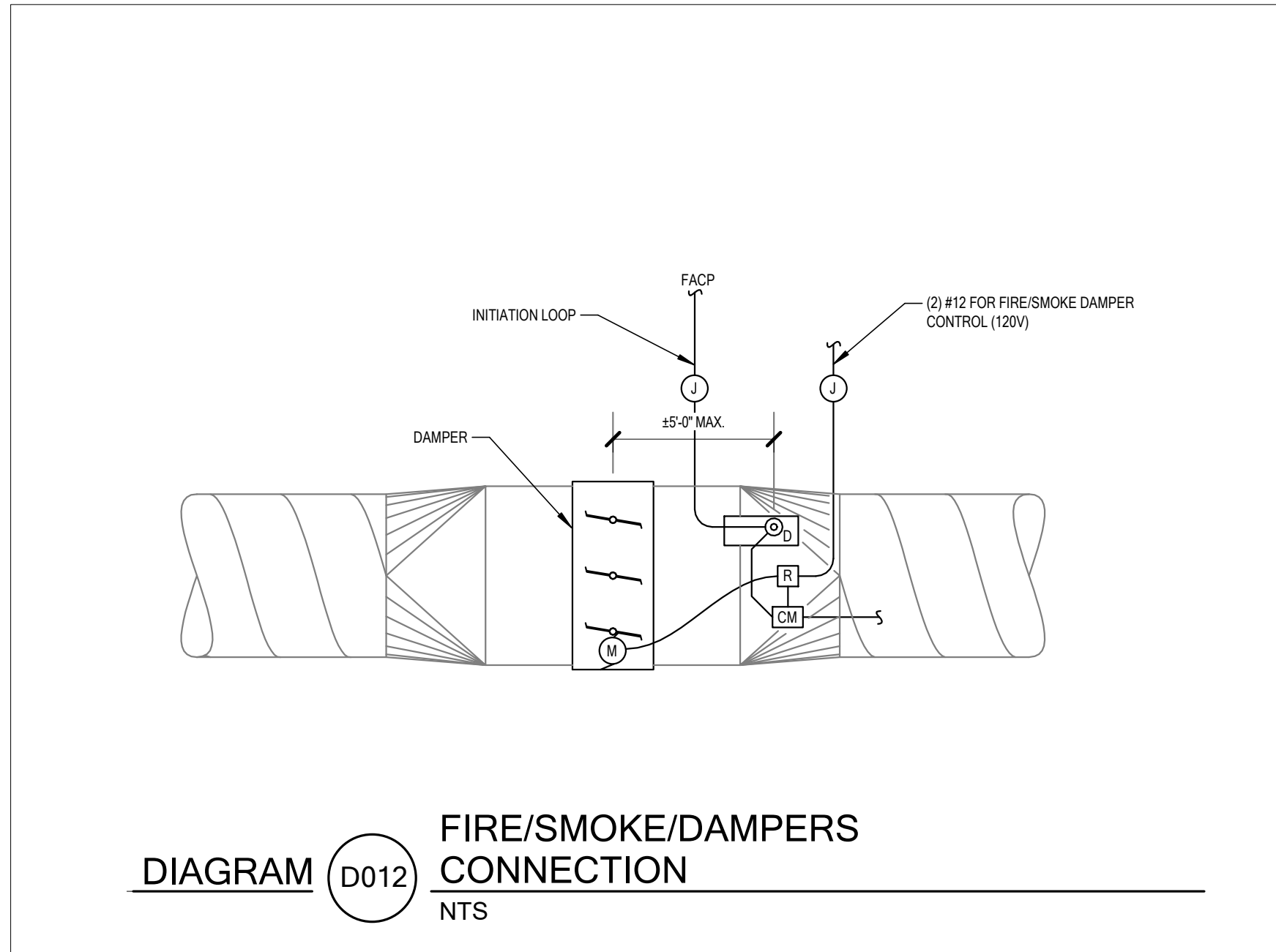
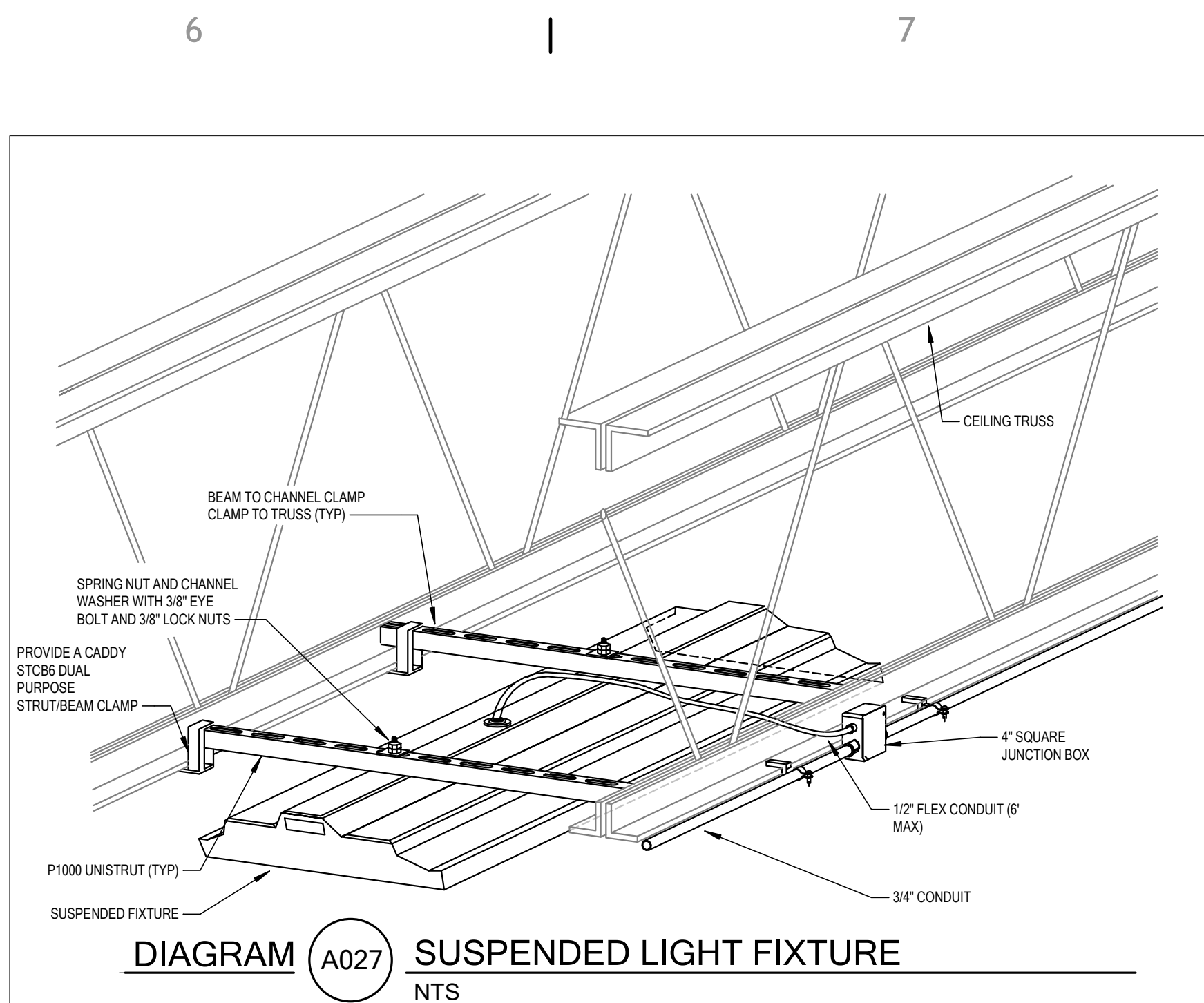


PROJECT TITLE AND ADDRESS

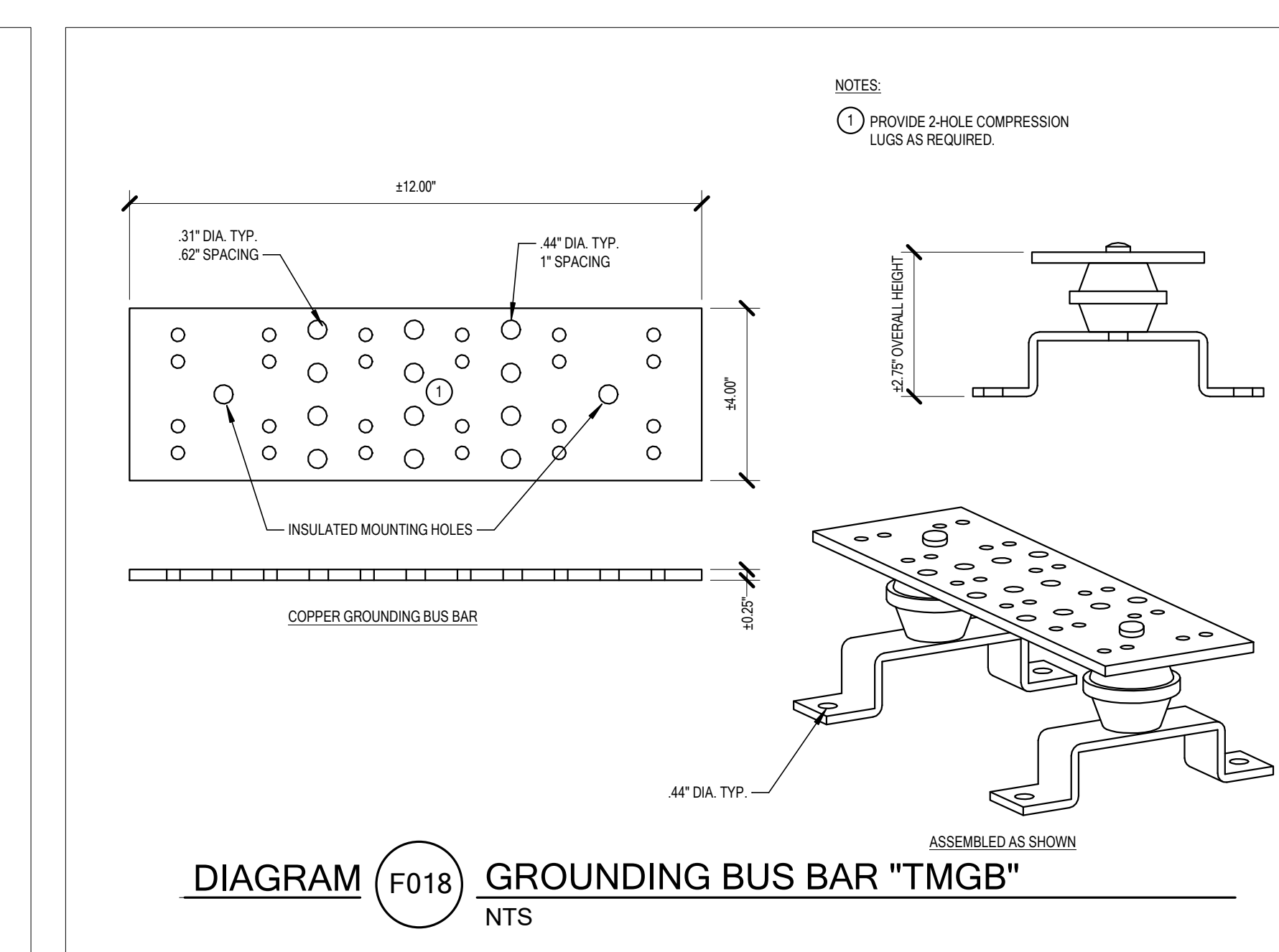
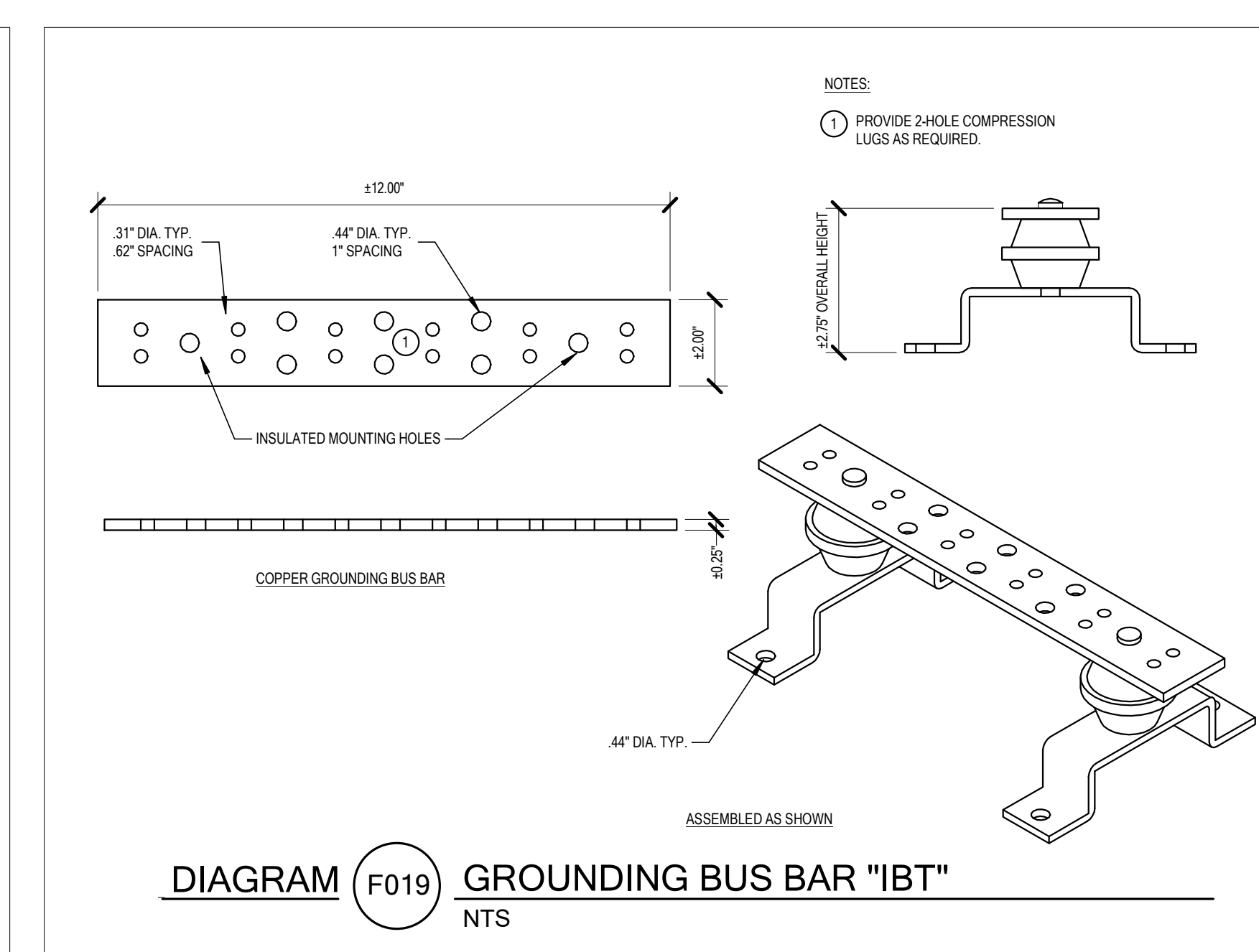
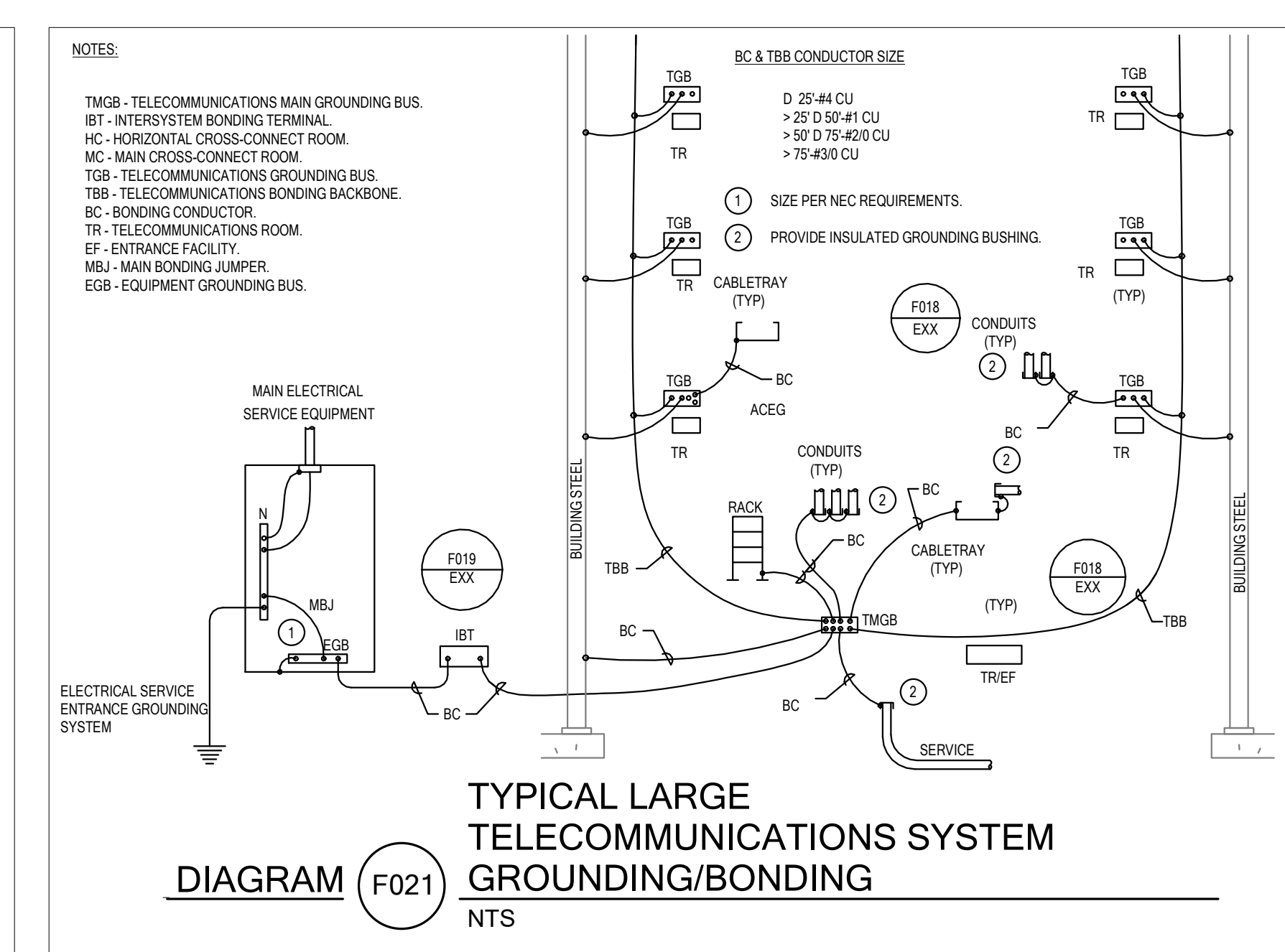
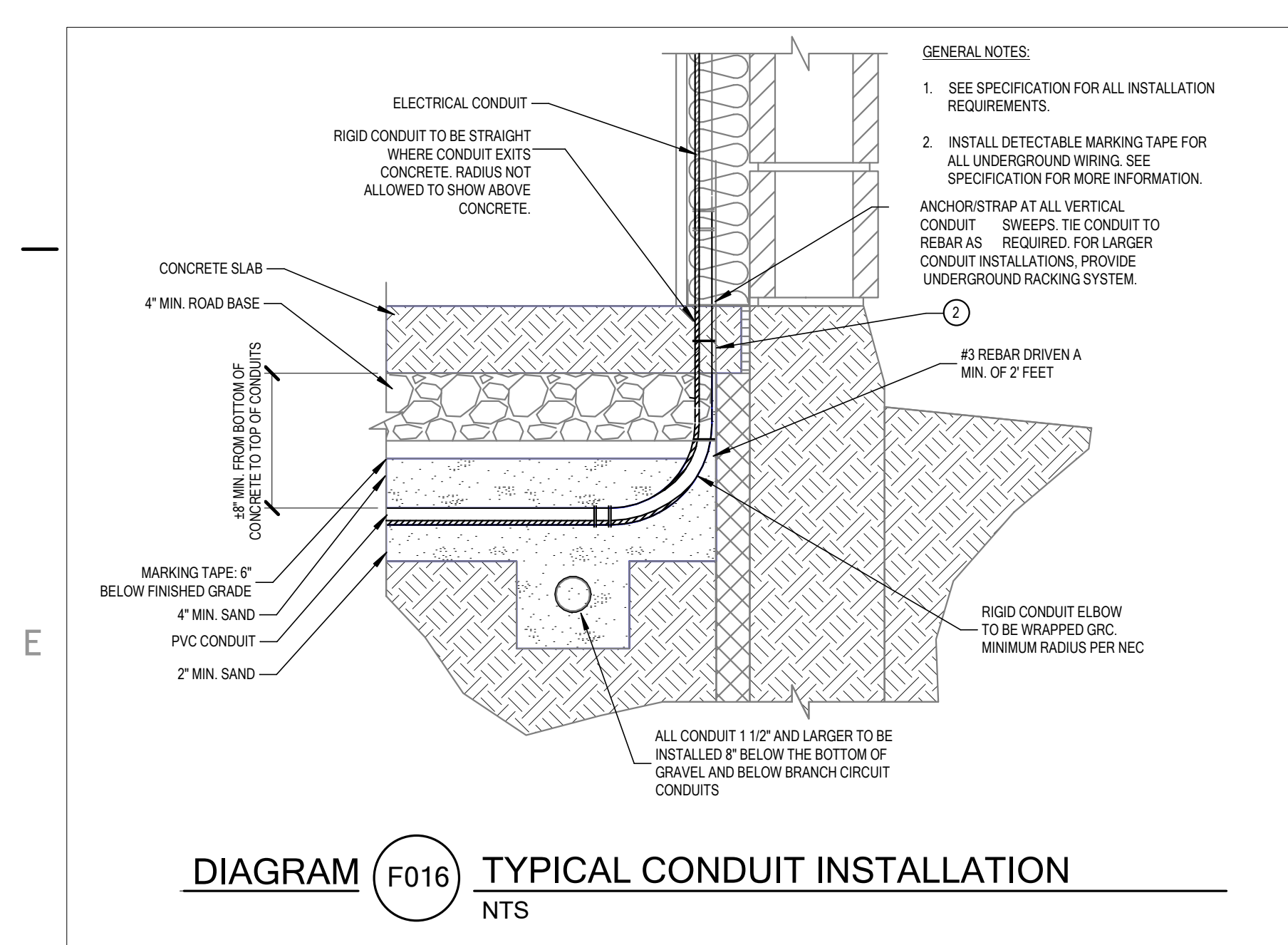
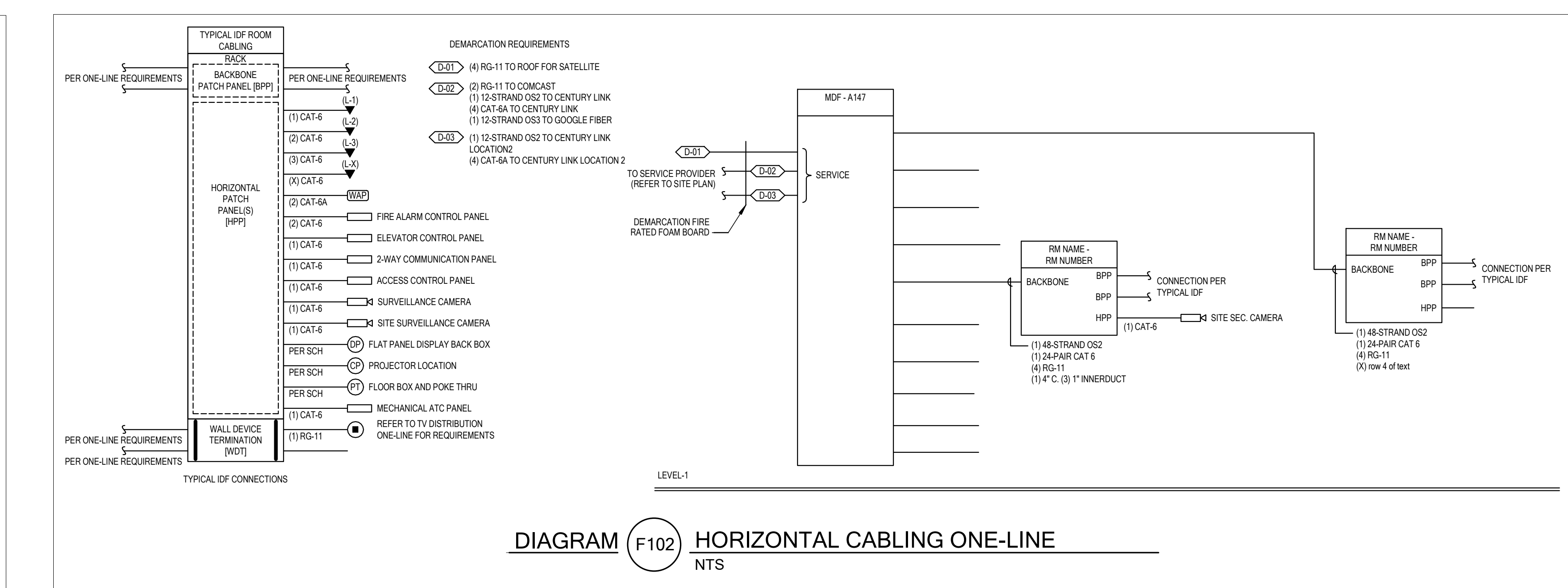
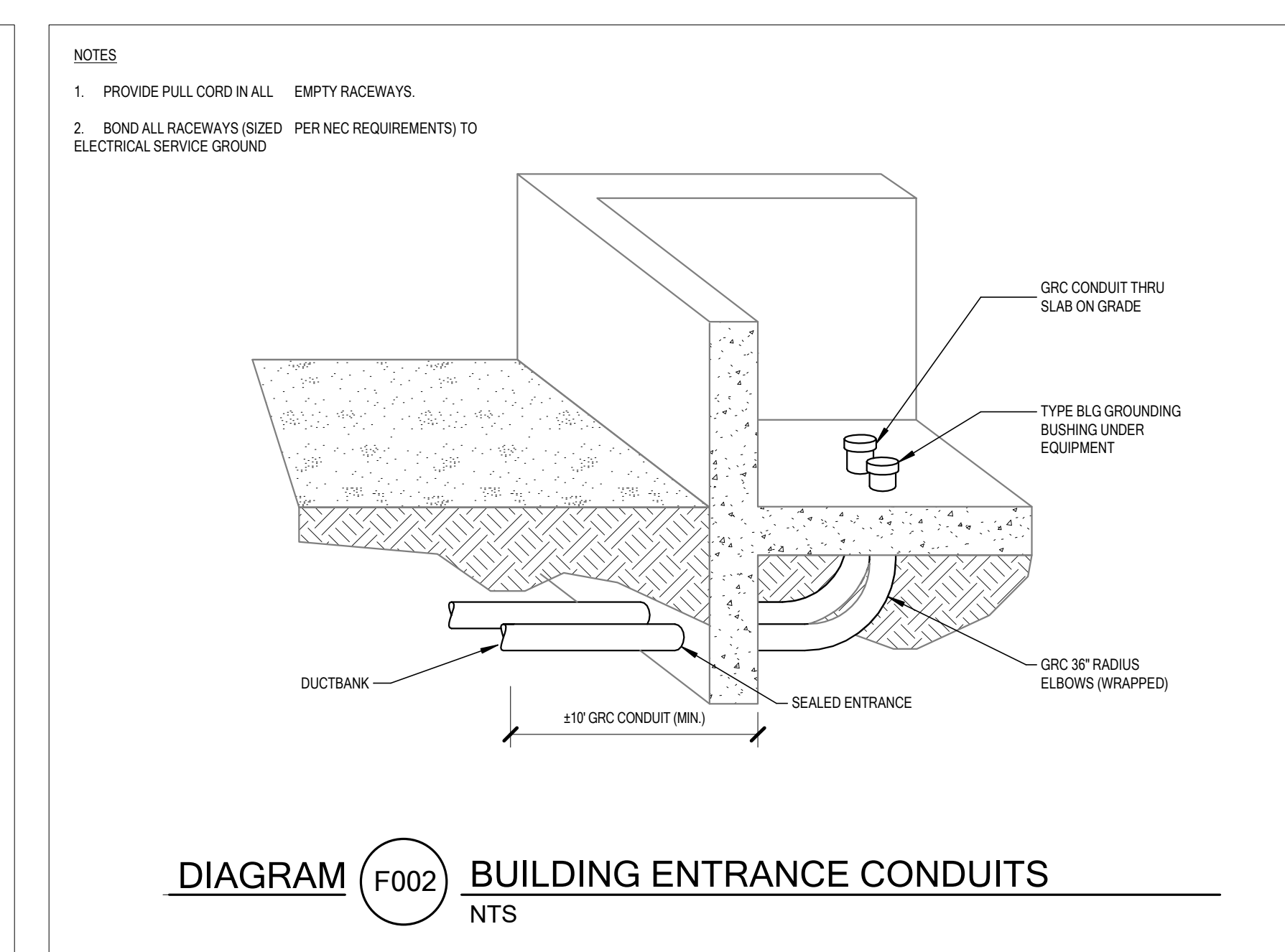
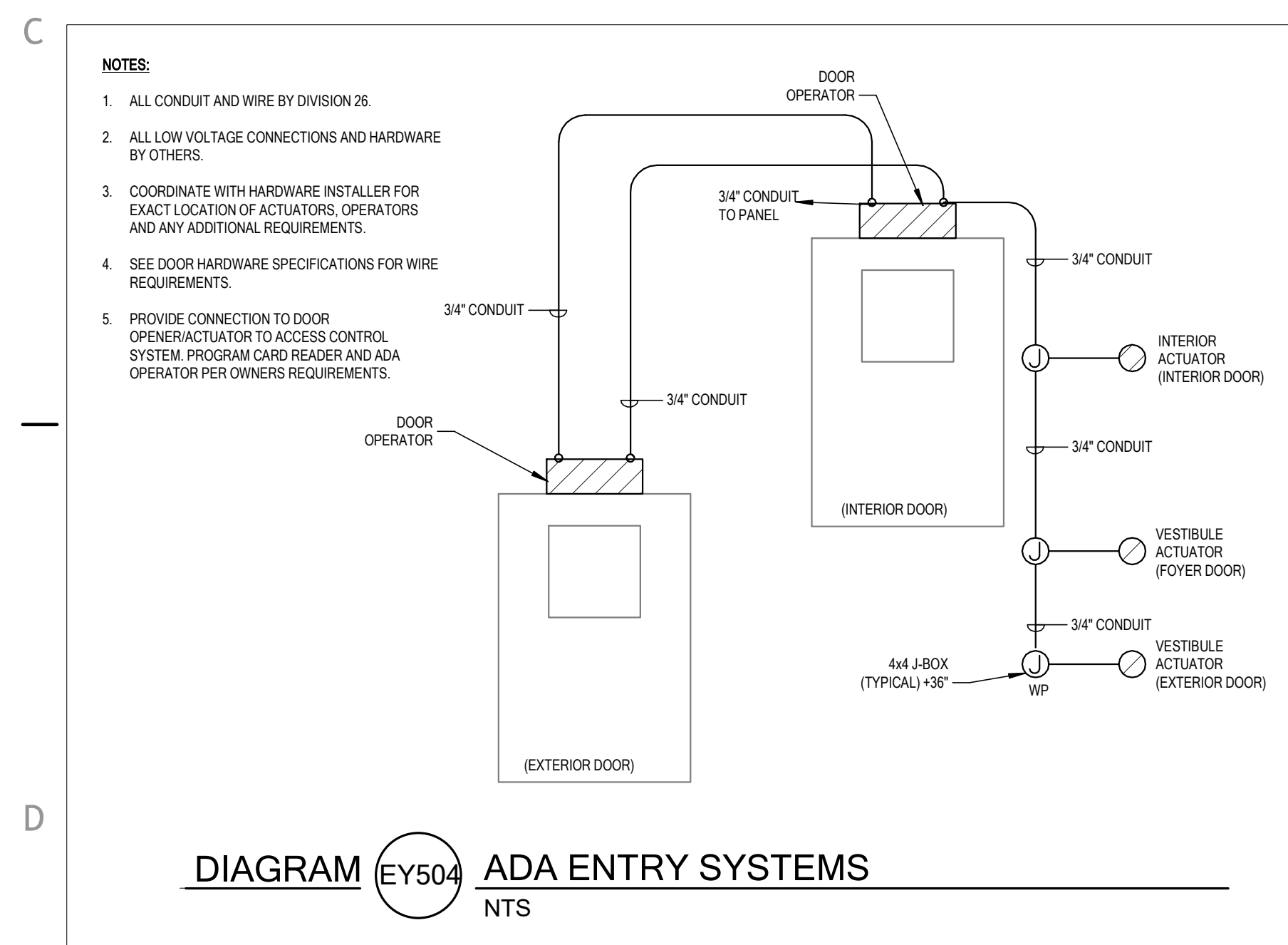
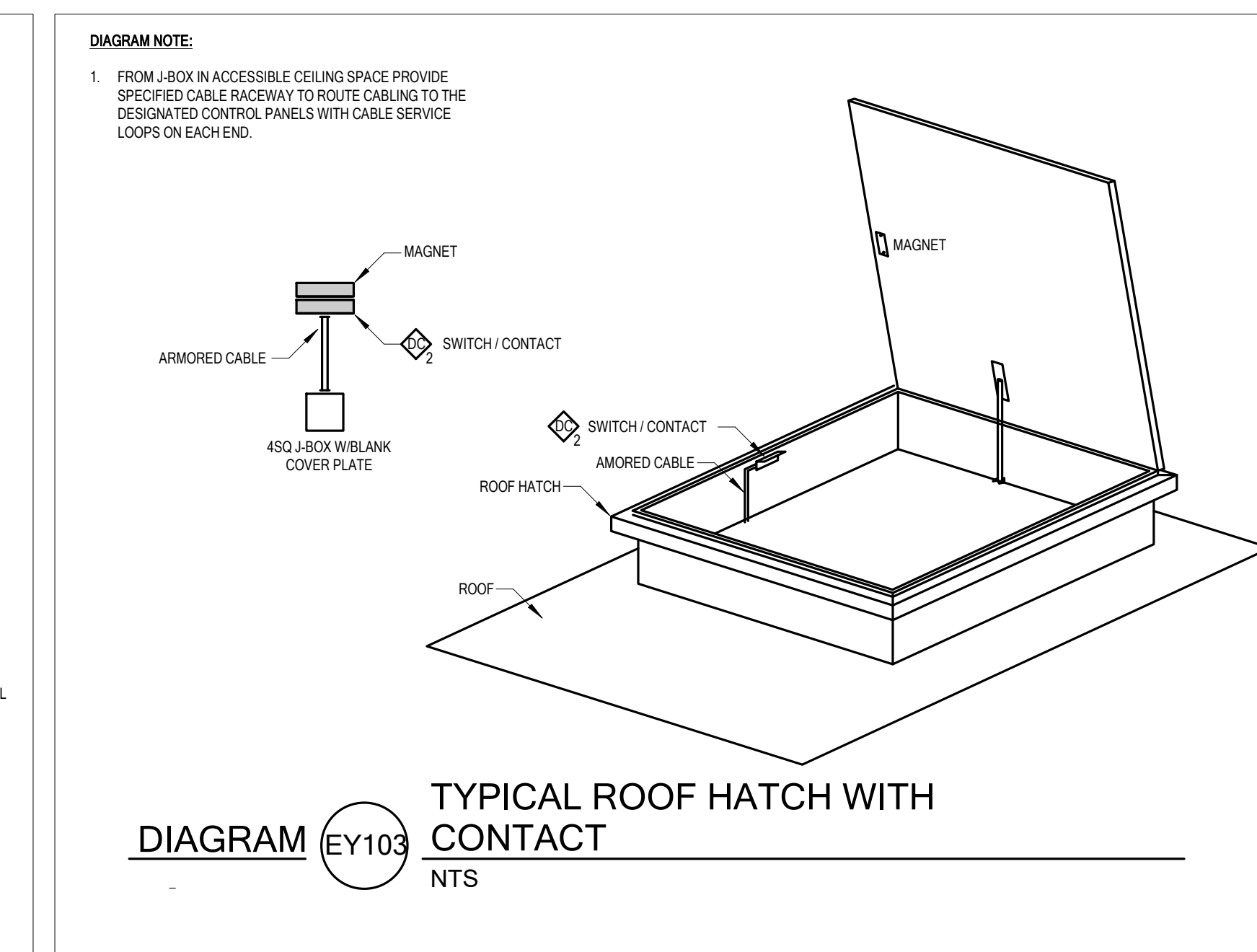
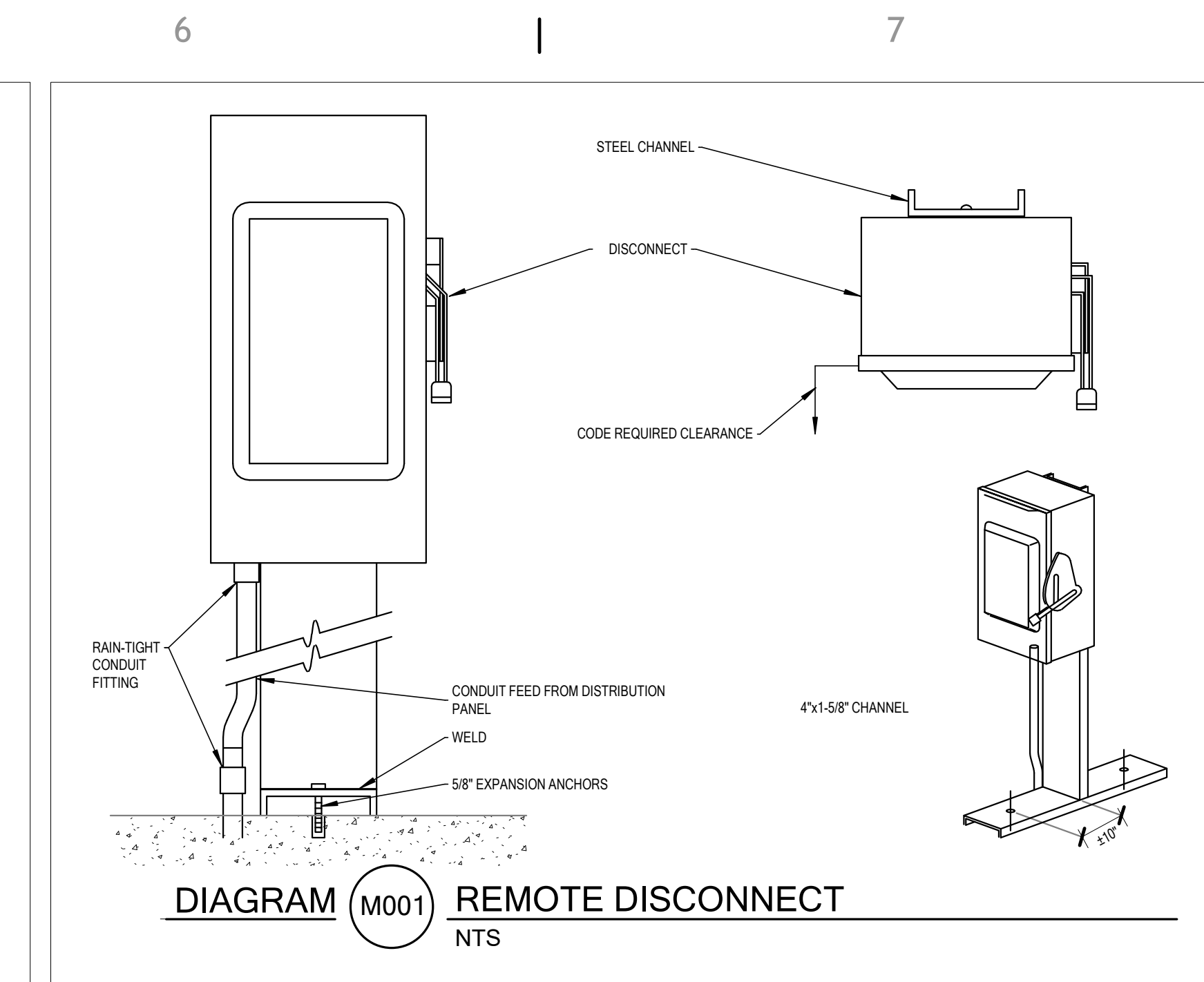
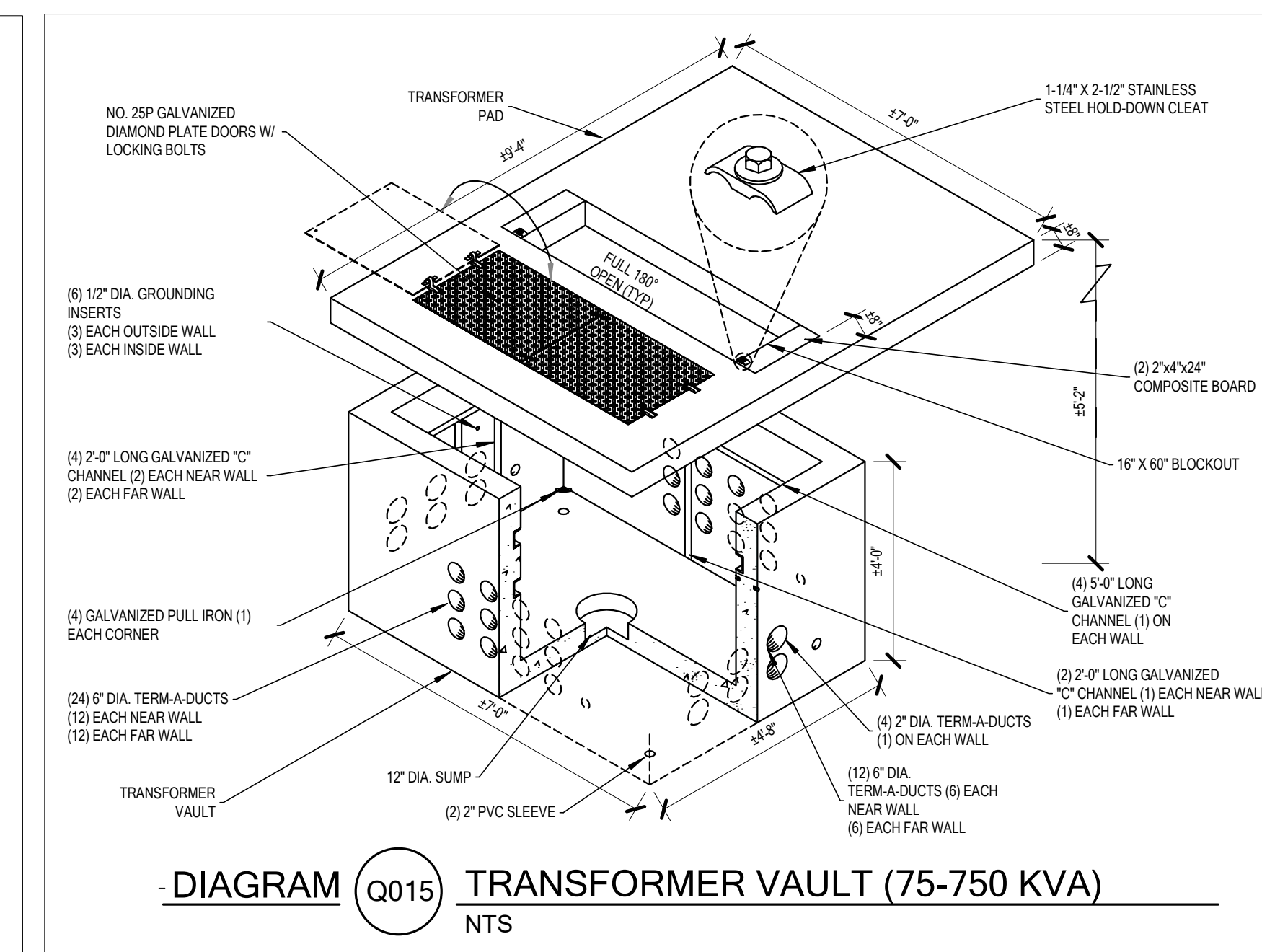
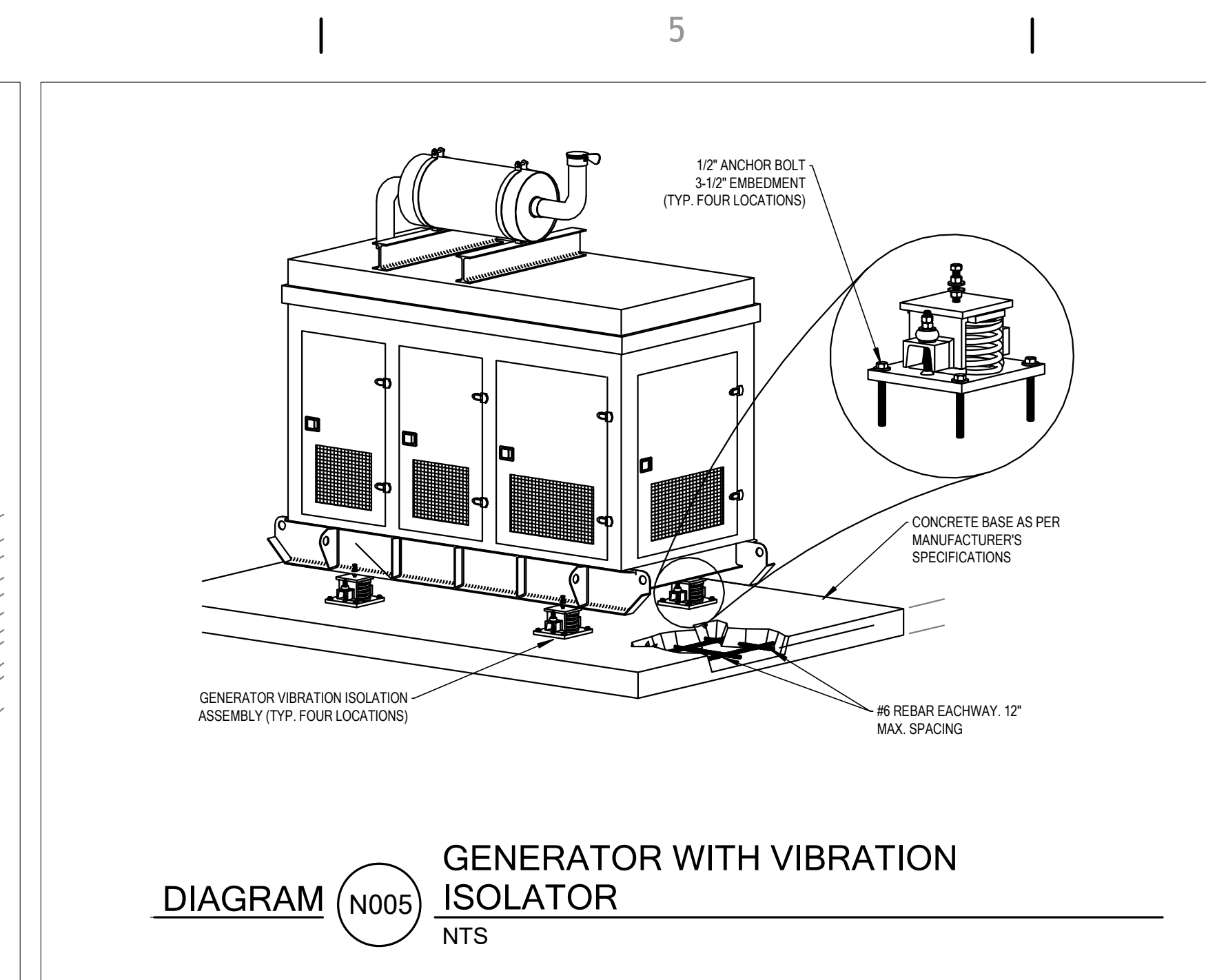
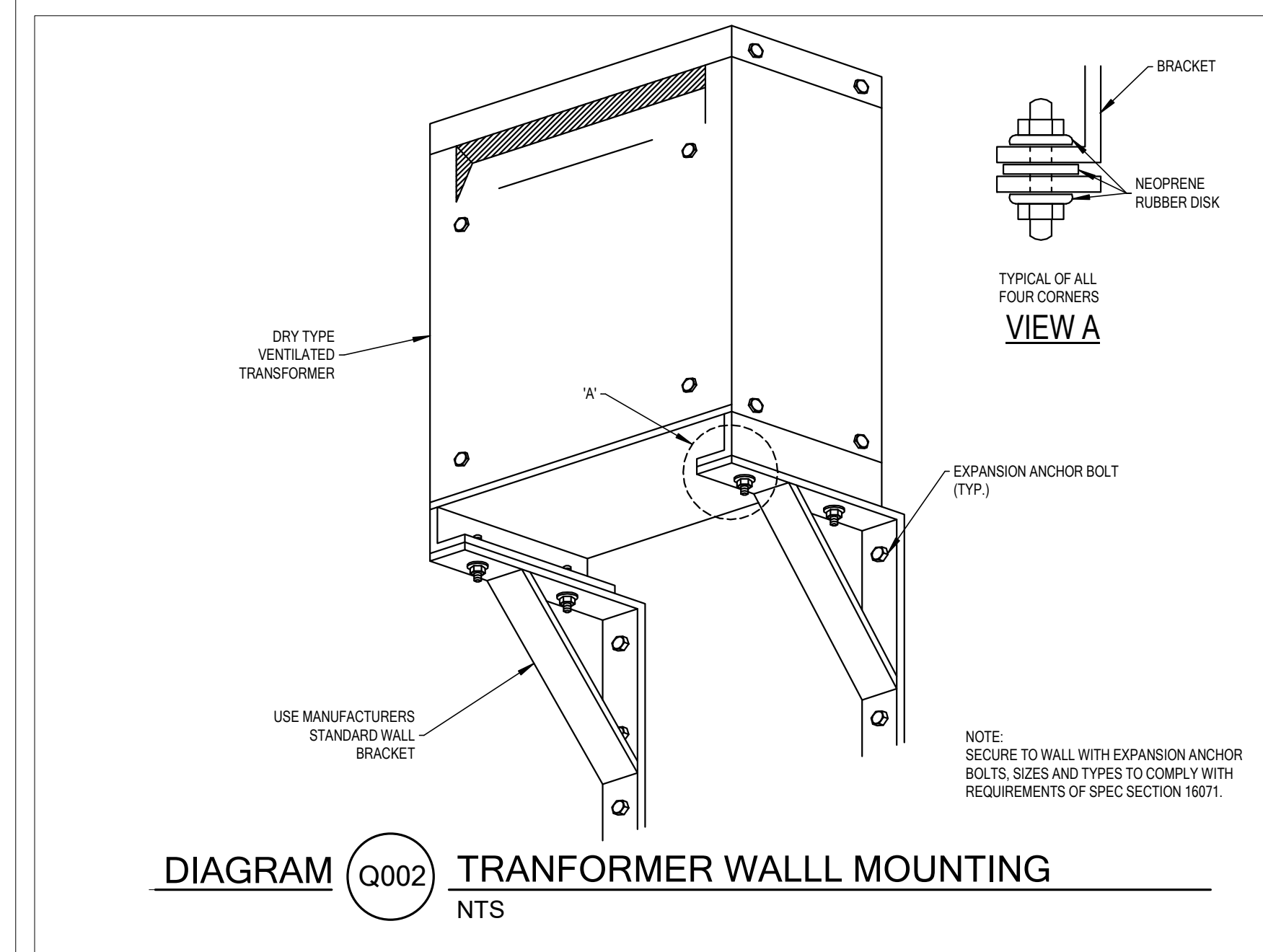
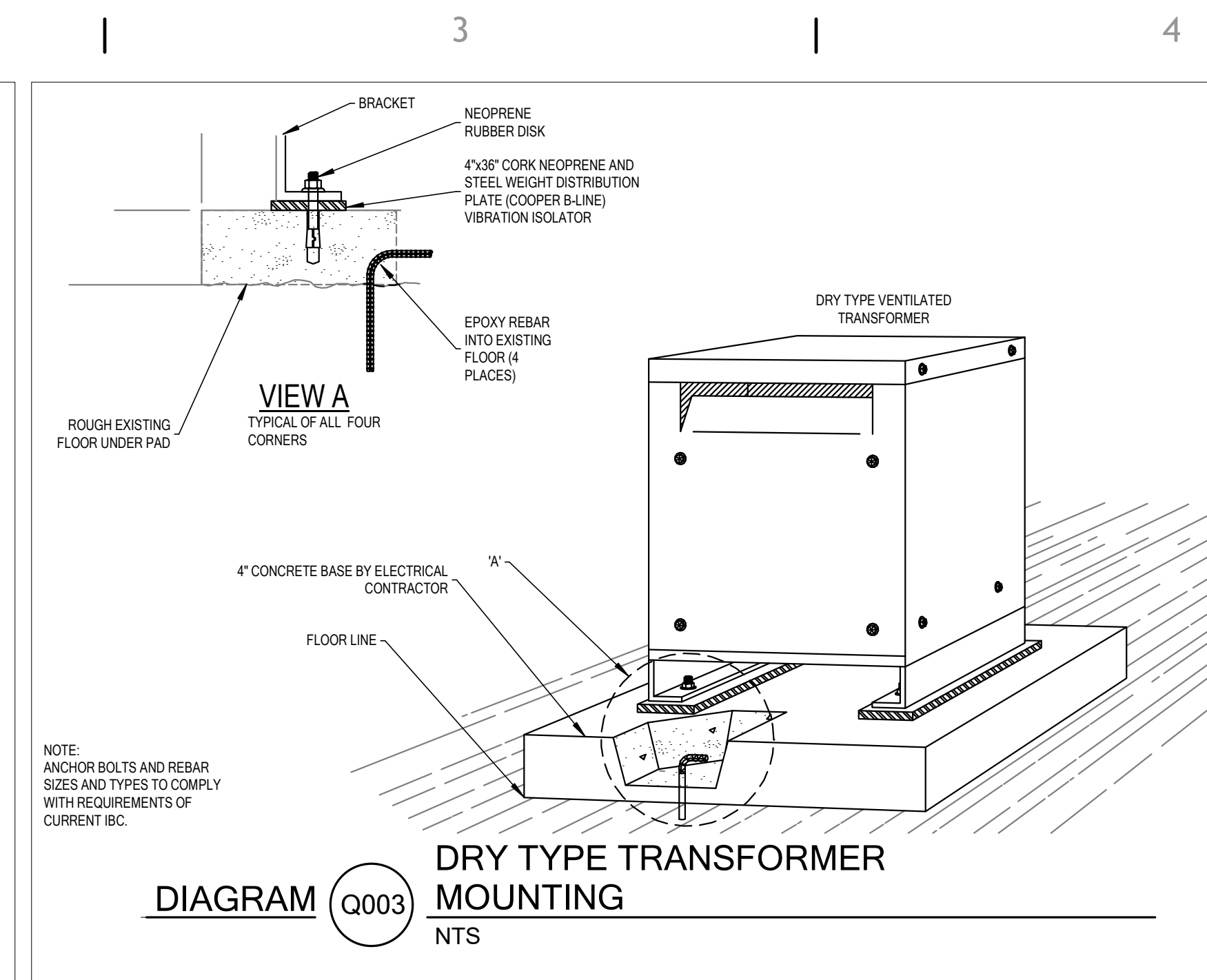
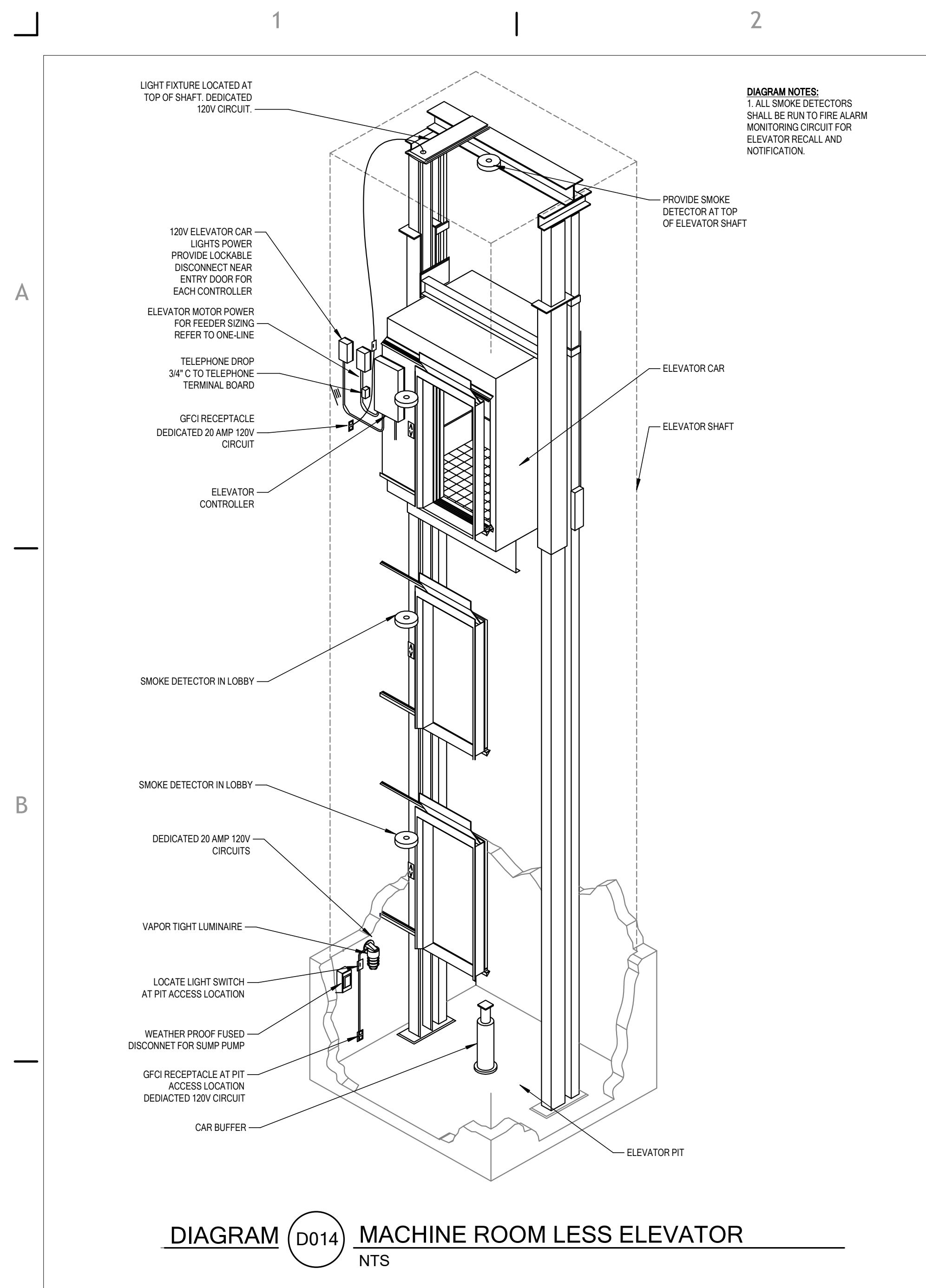
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## ELECTRICAL DIAGRAMS





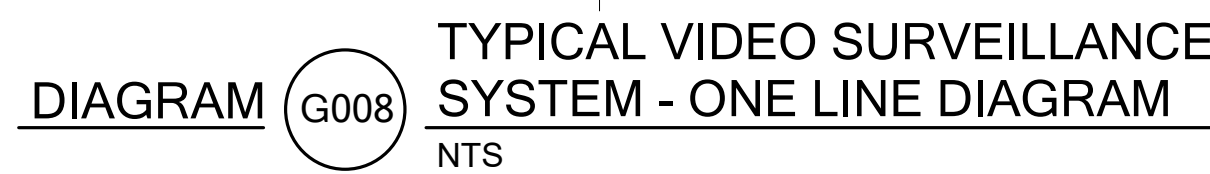
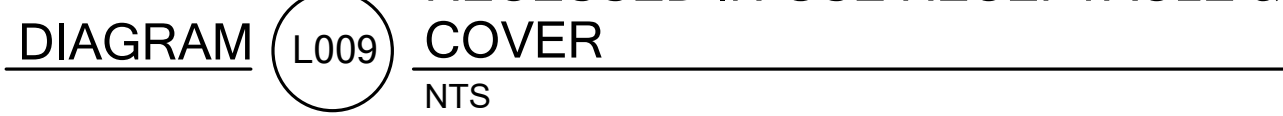
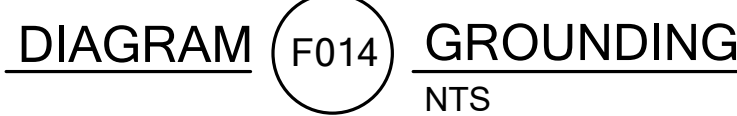








SHEET TITLE





## ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MEP	MECHANICAL, ELECTRICAL AND PLUMBING
AFF	ABOVE FINISH FLOOR	MFG	MANUFACTURER
ARCH	ARCHITECTURE	MAX	MAXIMUM
AUX	AUXILIARY	MIC	MICROPHONE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BC	BARE COPPER	MTG	MOUNTING
C	CONDUIT	NA	NOT APPLICABLE
CATV	CABLE TELEVISION	NC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CNTR	CONTRACTOR	PLEN	PLENUM
CU	COPPER	(R)	RELOCATE
CW	COMPLETE WITH	RECP	RECEPTACLE
DWG	DRAWING	SPEC	SPECIFICATIONS
(E)	EXISTING	SPKR	SPEAKER
FT	FOOT	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
IG	ISOLATED GROUND	UG	UNDERGROUND
IN	INCH	UPS	UNINTERRUPTED POWER SUPPLY
J-BOX	JUNCTION BOX	W	WATTS
LGT	LIGHTING	W/O	WITHOUT

## CABLING GROUPS AND CONDUIT SEPARATION SCHEDULE

### AUDIO AND VIDEO WIRING TYPES:

AUDIO AND VIDEO SYSTEM WIRING IS DIVIDED INTO WIRING GROUPS ACCORDING TO THEIR NOMINAL LEVELS:

GROUP	WIRING TYPE
GROUP 1	FIBER OPTIC CABLE
GROUP 2	0 mV TO 100 mV SIGNALS, EXAMPLE: MICROPHONE LEVEL SIGNAL
GROUP 3	100 mV TO 10 V SIGNALS, EXAMPLE: LINE-LEVEL SIGNAL
GROUP 4	10 V TO 70 V SIGNALS, EXAMPLE: SPEAKER LEVEL SIGNAL
GROUP 5	CONTROL, DIGITAL CIRCUITS, DATA AND VIDEO

NOTE: GROUPS LISTED ABOVE SHALL NEVER BE COMBINED WITHIN THE SAME CONDUIT

### AUDIO AND VIDEO CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT AUDIO AND VIDEO GROUPS IS AS FOLLOWS:

GROUP	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
GROUP 1	ADJACENT	ADJACENT	ADJACENT	ADJACENT	ADJACENT
GROUP 2	ADJACENT	ADJACENT	6"	12"	12"
GROUP 3	ADJACENT	6"	ADJACENT	12"	6"
GROUP 4	ADJACENT	12"	12"	ADJACENT	6"
GROUP 5	ADJACENT	12"	6"	6"	ADJACENT

NOTE: NINETY DEGREE CROSSING IN CLOSE PROXIMITY IS PERMITTED.

### ELECTRICAL CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING AUDIO AND VIDEO WIRING AND OTHER ELECTRICAL SERVICE CONDUIT IS AS FOLLOWS:

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
277/480V AC CIRCUIT	ADJACENT	24"	24"	24"	24"
120/208V AC CIRCUIT	ADJACENT	24"	12"	12"	24"

NOTE: CONDUITS SHALL NOT RUN MORE THAN 20 FEET IN PARALLEL WITHIN THE GIVEN DISTANCES ABOVE.

## AUDIOVISUAL CABLE AND CONDUIT SCHEDULE

### NOTES:

- APPROVED EQUALS FROM OTHER MANUFACTURERS ARE BELDEN, GEPCO/GENERAL, ICE, KRAMER, EXTRON, CRESTRON, LIBERTY CABLE, AND WINDY CITY WIRE.
- PROVIDE PLENUM RATED CABLES IN ANY "AIR HANDLING" SPACES E.G. ABOVE CEILINGS, RAISED FLOORS, CHASES, ETC.
- CABLE QUANTITY INDICATED ON DRAWINGS SHOWS ON FINAL RUN. IF NOT NOTED PROVIDE CABLING FOR SINGLE DEVICE.
- CONDUIT REQUIREMENTS SHOWN ARE MINIMUM CONDUIT SIZE REQUIRED FOR A SINGLE CABLE. UNLESS OTHERWISE NOTED ON DRAWINGS, NUMBER OF CABLES LISTED IS THE MAXIMUM AMOUNT ALLOWED FOR CONDUIT SIZE INDICATED.
- WHEN COMBINING CABLE TYPES OF THE SAME GROUP, THE TYPE WITH THE LARGEST CONDUIT REQUIREMENT DICTATES CONDUIT SIZE.
- PROVIDE ON ALL HDMI CABLES LONGER THAN 35' OR WITH MORE THAN (3) CONNECTION POINTS (1) ACTIVE HDMI EXTENSION DEVICE.
- ALL CATEGORY CABLE SHALL BE TESTED AND CERTIFIED TO ANSI/TIA/EIA-568C AND IEEE 802.3an STANDARDS USING A LEVEL IIIc TESTER.
- REFER TO SPECIFICATIONS FOR STP CABLE REQUIREMENTS. ALL UNSHIELDED (UTP) CATEGORY CABLES WITHIN THE PROJECT SHALL BE SUPPLIED FROM A SINGLE MANUFACTURER AND MATCH MAKE/MODEL.
- HDMI CABLES ARE INTENDED TO PASS 4K 60 4:4:4 FROM SOURCE TO DESTINATION. CONTRACTOR TO VERIFY THE LENGTH OF ALL CABLES USED MEET THIS REQUIREMENT.
- INDICATES DEFAULT CABLE IF MANUFACTURER DOES NOT RECOMMEND A SPECIFIC CABLE.
- INDICATES DEFAULT CABLE IF HORIZONTAL CABLING IS EXCLUDED FROM THE PROJECT AND NOT OWNER PROVIDED.

CABLE TYPE	DESCRIPTION	CONDUIT REQUIREMENTS	MANUFACTURER	MODEL NUMBER	CABLE GROUP
(#)AT	ANTENNA, COAXIAL RG8X	1" CONDUIT = (7) CABLES 1 1/2" CONDUIT = (12) CABLES	WEST PENN	807 *	5
(#)CT	CONTROL, 2/22 SHIELDED, 2/18 UNSHIELDED	1" CONDUIT = (7) CABLES 1 1/4" CONDUIT = (12) CABLES	WEST PENN	77350 * D25350 (P) *	5
(#)HD	HDMI < 20', ULTRA FLEXIBLE	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON CRESTRON	HDMI ULTRA## CBL-HD-##	5
(#)HD	HDMI > 20'	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON KRAMER	HDMI PRO POX CP-HMMHETH (P)	5
(#)LA (#)MA	LINE LEVEL, 22 AWG MICROPHONE, 22 AWG	1" CONDUIT = (23) CABLES 1 1/2" CONDUIT = (77) CABLES	WEST PENN	291 D25454 (P)	3 2
(#)MF	MULTIMODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)RG6	RG-6 COAXIAL CABLE	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)RG11	RG-11 COAXIAL CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (8) CABLES	WEST PENN	821 D25821 (P)	5
(#)S12	SPEAKER, 12 AWG	1" CONDUIT = (3) CABLES 1 1/2" CONDUIT = (7) CABLES 2" CONDUIT = (11) CABLES	WEST PENN	227 25227B (P)	4
(#)S16	SPEAKER, 16 AWG	1" CONDUIT = (10) CABLES 1 1/4" CONDUIT = (17) CABLES	WEST PENN	225 25225B (P)	4
(#)SF	SINGLE MODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)STP	SHIELDED TWISTED PAIR, CAT 6A	1" CONDUIT = (4) CABLES 1 1/4" CONDUIT = (8) CABLES	PER MFG WEST PENN	4246AF * 254246AF (P) *	5
(#)UTP	UNSHIELDED TWISTED PAIR, CAT 6	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (15) CABLES	PER SPEC WEST PENN	4246 ** 254246 (P) ** SPEC 27 1500	5
(#)VG	HIGH RESOLUTION VIDEO	1" CONDUIT = (1) CABLES 1 1/4" CONDUIT = (4) CABLES	WEST PENN	5CRGB 255CRGB (P)	5
(#)SDI	SERIAL DIGITAL INTERFACE (RG-6 COAX)	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)USB	USB EXTENSION CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (10) CABLES	CABLES TO GO	52108	5
(#)X#	MANUFACTURER PROPRIETARY CABLE	AS NOTED	SPEC: 27 4100	SPEC: 27 4100	NA

## AUDIOVISUAL SYMBOL SCHEDULE

### NOTES:

- HEIGHT MEASURED TO BOTTOM OF THE DEVICE FROM FINISHED FLOOR.
- HEIGHT MEASURED TO CENTER LINE OF THE DEVICE FROM THE FINISHED FLOOR.
- REFER TO DIAGRAMS AND ELEVATIONS FOR CUSTOM ROUGH-IN REQUIREMENTS.
- STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS.
- ROUGH-IN TO BE HORIZONTAL.
- ROUGH-IN TO BE INSTALLED ABOVE ACCESSIBLE CEILING.
- ROUGH-IN TO BE INSTALLED ABOVE CEILING.
- DEVICE IS TYPICALLY LOCATED IN MILLWORK, FURNITURE, BEHIND A MONITOR OR ABOVE A MONITOR.
- ABOVE TABLE/COUNTER MOUNTED DEVICE.
- REFER TO MANUFACTURERS RECOMMENDED CABLE REQUIREMENTS FOR EXACT CABLE REQUIREDS.
- FOLLOW BICSI STANDARDS FOR CABLE ROUTING AND DISTANCES.
- JUNCTION BOX INDICATED IS FOR MOST INSTALLATIONS. DEVICE WILL BE NOTED WHEN JUNCTION BOX SIZE REQUIREMENTS ARE DIFFERENT FROM INDICATED.
- MOUNTING HEIGHT SHOWN IS FROM THE BOTTOM OF THE MONITOR TO THE FINISHED FLOOR.

### GENERAL SCHEDULE NOTES:

- TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED IN THIS SET OF DRAWINGS.
- DEVICES WITH "A" ADJACENT TO IT INDICATE DEVICE TO BE COORDINATED WITH MILLWORK PRIOR TO ROUGH-IN.
- ROUGH-IN JUNCTION BOX, CONDUIT, AND MOUNTING HEIGHT ARE DEFAULT REQUIREMENTS. REFER TO PLANS FOR SPECIFIC NOTES AND REQUIREMENTS FOR A SPECIFIC INSTANCE.
- CONDUIT STUBBED INTO ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
- CONDUIT FROM DEVICE TO BE HOMERUN TO DESTINATION WITHOUT SPLICES.

SYMBOL	DESCRIPTION	J-BOX	CONDUIT	MOUNTING HEIGHT	CABLE TYPE	NOTES
(#)M	MICROPHONE INPUT, WALL PLATE (M1M2 = D1, M3M4 = D2)	D1 D2	(1) 3/4"	RECEPTACLE HEIGHT	(#)MA	2.4.
(#)AX	AUXILIARY INPUT, 3.5MM/RC4 CONNECTION, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1)LA	2.4.
(#)TS	AUDIO OUTPUT, WALL PLATE, T = X/1 MALE CONNECTION, TS = 1/4 TS CONNECTION	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1)LA	2.4.
(#)MA	MICROPHONE INPUT WITH AUXILIARY INPUT, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1)MA	2.4.
(#)MC	MICROPHONE INPUT, CEILING	D1	(1) 3/4"	CEILING	(1)MA	2.4.
(#)MB	TABLE TOP BOUNDARY MICROPHONE		(1) 1/2"	ON TABLE/ MILLWORK	(1)MA	2.3.9.
(#)MW	WALL MOUNTED, PUSH TO TALK MICROPHONE	D1	(1) 3/4"	SWITCH HEIGHT	(1)MA	2.4.
(#)MDT	DUAL MICROPHONE INPUT, WALL PLATE, UTP TRANSMITTER EXTENDER	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1)UTP	2.4.
(#)MAT	MICROPHONE AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER EXTENDER	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1)UTP	2.4.11.
(#)MXT	MICROPHONE AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1)UTP	2.4.11.
(#)MT	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D1	(1) 1"	RECEPTACLE HEIGHT	(1)UTP	2.4.11.
(#)MD	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1)UTP	2.4.11.
(#)MD	FOUR MICROPHONE INPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1)UTP	2.4.11.
(#)BT	BLUETOOTH AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	SWITCH HEIGHT	(1)UTP	2.4.11.
(#)G	CREWCOM HEADSET INPUT, WALL PLATE	D1	(1) 3/4"	SWITCH HEIGHT	(1)MA	2.4.
(#)CS	CREWCOM WALL STATION, WALL PLATE	D3	(1) 3/4"	SWITCH HEIGHT	(1)MA	2.4.
(#)BT	BLUETOOTH, WALL PLATE, AUDIO EXTENDER	D1	(1) 1"	SWITCH HEIGHT	(1)UTP	2.4.11.
(#)VG	VGA INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1)VG	2.4.
(#)HD	HDMI INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1)HD	2.4.
(#)HV	HDMI AND VGA INPUT, WALL PLATE	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1)HD (1)VG	2.4.
(#)EW	AV/VP ENCODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"	RECEPTACLE HEIGHT	(1)UTP	2.4.11.
(#)DQ	AV/VP DECODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"	RECEPTACLE HEIGHT	(1)UTP	2.4.11.
(#)TH	HDBaseT, HDMI INPUT TRANSMITTER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1)STP	2.4.11.
(#)TD	HDBaseT, HDMI AND VGA TRANSMITTER, WALL PLATE	D2	(1) 1"	RECEPTACLE HEIGHT	(1)STP	2.4.11.
(#)TM	HDBaseT, HDMI, DISPLAY PORT AND/OR VGA TRANSMITTER BOX, SURFACE MOUNTED			IN MILLWORK/ UNDER TABLE	(1)STP	2.4.11.
(#)TT	HDBaseT CATEGORY INPUT, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1)STP	2.4.11.
(#)RH	HDBaseT, HDMI RECEIVER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1)STP	2.4.11.
(#)US	USB INPUT, WALL PLATE, UTP EXTENSION	D1	(1) 1"	RECEPTACLE HEIGHT	(1)STP	2.4.11.
(#)R	HDBaseT RECEIVER DEVICE, SURFACE MOUNTED		(1) 1"	IN MILLWORK/ UNDER TABLE	(1)STP	2.4.8.11.
(#)GV	HDMI AND VGA TRANSMITTER, WALL PLATE (CLASSROOM SYSTEM)	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1)STP	2.4.11.
(#)HD	DUAL HDMI TRANSMITTER, WALL PLATE (CLASSROOM SYSTEM)	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1)STP	2.4.11.
(#)DU	HDMI AND USB TRANSMITTER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(2)STP	2.4.11.
(#)CAL	2-WAY INTERCOMMUNICATION PUSH/BUTTON STATION	D1	(1) 3/4"	SWITCH HEIGHT	AS NOTED	2.7.10.
(#)CSA	CLASSROOM SOUND AMPLIFICATION SYSTEM		(1) 1 1/4" (1) 1"	IN MILLWORK/ AS NOTED		2.3.
(#)IR	INFRARED SENSOR, WALL/CEILING	D1	(1) 3/4"	CEILING	(1)UTP OR (1)CT	2.6.11.
(#)ALS	ASSISTIVE LISTENING SYSTEM ANTENNA/EMITTER, WALL/CEILING	A1	(1) 1"	AS NOTED	AS NOTED	2.6.
(#)AT	AV ANTENNA, WALL/CEILING	D1	(1) 1"	AS NOTED	(1)AT	2.6.
(#)V	VOLUME CONTROL	D1	(1) 1"	SWITCH HEIGHT	(1)S16	2.4.
(#)SV	VOLUME CONTROL WITH SOURCE SELECTOR	D2	(1) 1"	SWITCH HEIGHT	(1)S16 (1)UTP	2.4.9.11.
(#)TP	TOUCH PANEL, TABLE TOP		(1) 1"	AS NOTED	(1)UTP	
(#)TPW	TOUCH PANEL, WALL MOUNTED, REFER TO SPECIFICATIONS FOR TOUCH PANEL TYPE AND ORIENTATION	SCH	(1) 1"	SWITCH HEIGHT	(1)UTP	2.4.5.11.
(#)KPW	KEYPAD, WALL MOUNTED, REFER TO SPECIFICATIONS FOR KEYPAD TYPE	SCH	(1) 1"	SWITCH HEIGHT	(1)CT or (1)UTP	2.4.10.
(#)RSP	ROOM SCHEDULING TOUCHPANEL	SCH	(1) 1"	SWITCH HEIGHT	(1)STP	
(#)TW	TABLE/FURNITURE BOX, NUMBER REFERS TO TYPE. REFER TO SPECIFICATIONS/DIAGRAMS FOR REQUIREMENTS			IN MILLWORK	SEE DIAGRAMS.	
(#)LS	LOUDSPEAKER, WALL MOUNTED	C#	(1) 3/4"	AS NOTED	(1)S16	2.4.
(#)LSA	LOUDSPEAKER, ARRAY, CABINET, CLUSTER	A0	(1) 3/4"	AS NOTED	(1)S12	2.4.
(#)LSP	LOUDSPEAKER, CEILING RECESSED OR PENDANT	C#	(1) 3/4"	CEILING	(1)S16	2.7.
(#)SB	SOUND BAR, REFER TO SPECIFICATIONS FOR TYPE	D1	(1) 1"	AS NOTED		1.5.
(#)XSP	DISPLAY, REFER TO SPECIFICATIONS FOR DISPLAY TYPE AND SIZE	PER SCH	(1) 1 1/4" (1) 1"	AS NOTED	AS NOTED	4.13.
(#)SCP	PROJECTION SCREEN	(2)A0	(1) 3/4"	CEILING OR WALL	(1)UTP	2.7.
(#)P	PROJECTOR	D2	(1) 1 1/4"	CEILING OR AS NOTED	AS NOTED	2.6.
(#)C	AV CAMERA	C#	(1) 1"	AS NOTED	AS NOTED	1.
(#)E	EQUIPMENT CABINET/RACK	C#	SCH	AS NOTED		
(#)C	EQUIPMENT CEILING RACK	C#	SCH	AS NOTED		
(#)E	EQUIPMENT 2-POST CABINET/RACK	C#	SCH	AS NOTED		
(#)G	PASS THROUGH PLATE, # = NUMBER OF GANGS	D#	(1) 1-1/2"	AS NOTED		2.
(#)J	JUNCTION BOX, ABOVE ACCESSIBLE CEILING	A0	AS NOTED	AS NOTED		
(#)CB	CUSTOM JUNCTION BOX, REFER TO SCHEDULE AND DIAGRAM FOR EQUIPMENT, JUNCTION BOX AND CONDUIT	SCH	SCH	AS NOTED	AS NOTED	
(#)F	FLOOR BOX - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		AS NOTED	AS NOTED	AS NOTED	
(#)P	POKE THRU - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		(1) 1 1/2"	AS NOTED		
----	CONDUIT RUN CONCEALED IN WALL OR CEILING		AS NOTED			
-----	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		AS NOTED			
—○—	CONDUIT UP		AS NOTED			
—●—	CONDUIT DOWN		AS NOTED			
—□—	CONDUIT STUB LOCATION		AS NOTED			
—S—	CONDUIT/CIRCUIT CONTINUATION		AS NOTED			
(#)E	DEVICE/EQUIPMENT TYPE CALLOUT					
(#)E	ELEVATION VIEW TAG (# = VIEW NUMBER, ## = SHEET NUMBER)					
(#)E	DIAGRAM CALLOUT TAG					

## AUDIOVISUAL GENERAL NOTES

- THIS SHEET SET SHOWS WORK AND MATERIALS BY DIVISION 26 AND DIVISION 27. SEE SPECIFICATIONS AND DRAWING NOTES FOR RESPONSIBILITY FOR EACH ITEM.
- SUITE #105  
ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED PROVISIONS WITH THE PROJECT AV SYSTEMS INTEGRATOR PRIOR TO INSTALLATION OF AV SYSTEM ROUGH-IN. WHERE CONDUIT AND JUNCTION BOX PROVISIONS ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS, NOTIFY THE AV CONSULTANT IN WRITING OF THE REQUIREMENTS. WHERE MINOR MODIFICATIONS TO PROVISIONS ARE REQUIRED, THEY SHALL BE MADE AT NO ADDITIONAL COST AS A MATTER OF JOB COORDINATION.
- BIDDERS SHALL THOROUGHLY ACQUAINT AND EXAMINE THE EXISTING PROJECT CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, INCLUDING THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. BIDDERS SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK. THEY WILL CONTRACT TO PERFORM AND BRING ANY DISCREPANCIES OR OMISSIONS FOUND IN THE DRAWINGS TO THE AV CONSULTANT'S ATTENTION BEFORE SUBMITTING BID.
- AV SYSTEMS INTEGRATOR SHALL PROVIDE A FULLY FUNCTIONING SYSTEM IN EVERY RESPECT. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT AV CONSULTANT PRIOR TO BIDDING.
- THE FOREGOING SET SHALL BE COMPLETE IN EVERY RESPECT, AND ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK, SHALL BE FURNISHED BY THE PROJECT AV SYSTEMS INTEGRATOR.
- NO CHANGES TO THE DESIGN SHALL BE MADE WITHOUT THE PROJECT AV CONSULTANT'S WRITTEN CONSENT.
- WHERE APPLICABLE, AV SYSTEMS INTEGRATOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES.
- REFER TO DRAWINGS FOR EXACT NUMBER OF COMPONENTS USED IF NOT SPECIFIED IN EQUIPMENT LIST.
- COORDINATE EXACT SPEAKER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT AV CONSULTANT PRIOR TO BIDDING.
- CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL SPEAKERS AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND AV CONSULTANT PRIOR TO RELEASE.
- INSTALL/SUSPEND ALL AUDIOVISUAL SYSTEMS EQUIPMENT IN COMPLIANCE WITH SEISMIC CODES. MANUFACTURER'S WRITTEN INSTRUCTIONS, AND INDUSTRY BEST PRACTICES. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
- ALL TWISTED-PAIR (UTP, FUTP, UFTP, SFTP) CATEGORY TYPE CABLING SHALL BE TERMINATED BY CERTIFIED DATA TECHNICIANS. TEST PER SPECIFICATIONS REQUIREMENTS AND PROVIDE DATA TO AV CONSULTANT.
- ALL HDBaseT SIGNAL CABLING, TERMINATIONS, AND TERMINATION HARDWARE SHALL COMPLY WITH TIA/EIA WIRING CONFIGURATION 1568 B. ALL HDBaseT SIGNAL CABLING SHALL BE SHIELDED/FOIL (SF/UTP) CATEGORY TYPE CABLE.
- CONDUCT A RADIO FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTING RF OPERATIONAL FREQUENCIES. AV SYSTEMS INTEGRATOR TO ENSURE INTERFERENCE FREE OPERATION OF ALL RF DEVICES. AV SYSTEMS INTEGRATOR SHALL COORDINATE AUDIT RESULTS WITH MANUFACTURER PRIOR TO PURCHASING RF EQUIPMENT.
- PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. PROVIDE CUSTOM RACK MOUNT KITS WHEN NOT AVAILABLE FROM THE EQUIPMENT MANUFACTURER.
- PROVIDE SURGE PROTECTION DEVICE (SPD) IN ALL AV EQUIPMENT RACKS.
- ALL AV EQUIPMENT RACKS SHALL BE GROUNDED AND BONDED TO MEET OR EXCEED THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NEC), IEC 1000-5-2 ANSI/UL-STD-607-A.
- ALL AV EQUIPMENT SHALL BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
- PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT.
- THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR LACK OF COORDINATION WITH AV CONSULTANT AS ADDRESSED IN THE DOCUMENTS.
- UNLESS SPECIFICALLY SPECIFIED OR NOTED PROVIDE COMMERCIAL QUALITY EQUIPMENT. MATERIALS AND COMPONENTS DESIGNED FOR CONTINUOUS USE. CONSUMER QUALITY COMPONENTS ARE NOT ACCEPTABLE.

## AUDIOVISUAL SHEET INDEX

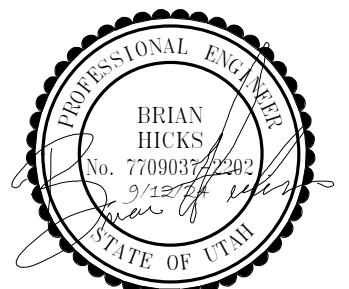
1200	AUDIOVISUAL SYMBOLS, SCHEDULES, AND NOTES
1201	AUDIOVISUAL SCHEDULES
1211-A	MAIN LEVEL AUDIOVISUAL FLOOR PLAN
1211-B	ALTERNATE AUDIOVISUAL FLOOR PLAN
1221-A	MAIN LEVEL AUDIOVISUAL RCP
1221-B	SECOND FLOOR AUDIOVISUAL ALTERNATE RCP
1290	AUDIOVISUAL DIAGRAMS
1411	MAIN LEVEL INTERCOM PLAN
1412	ALTERNATE INTERCOM PLAN



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PROJECT TITLE AND ADDRESS

CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

### REVISIONS

DESCRIPTION	DATE

### PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
PROJECT #: 24-013  
PM / PA: BNA  
PIC: BNA

### DRAWING SET STATUS



PROJECTOR SCREEN SCHEDULE															
TYPE	IMAGE SIZE (N) IN INCHES					BOTTOM OF IMAGE AFF	CASE DIMENSIONS (C) IN INCHES			WEIGHT	OPERATION	PROJECTION ORIENTATION	CONTROL TYPE	MOUNTING TYPE	NOTES
	DIAGONAL	HEIGHT	WIDTH	ASPECT RATIO	BLACK DROP LENGTH		LENGTH	WIDTH	DEPTH						
SC1	164	87"	139"	16:10	18"	48"	160 3/4"	6"	6"	126 LBS	MOTORIZED, 120V	FRONT	AV SYSTEM, RELAY, RS-232	CEILING, RECESSED	

AV FLAT PANEL MONITOR SCHEDULE									
TYPE	IMAGE SIZE (N) IN INCHES			MONITOR DIMENSIONS (C) IN INCHES			WEIGHT	CONTROL TYPE	NOTES
	DIAGONAL	HEIGHT	WIDTH	HEIGHT	WIDTH	DEPTH			
D85	65	32"	56 5/8"	32 7/8"	57 5/16"	2 1/2"	60 LBS	RS-232, IP	THIS IS A DISPLAY
D75	75	36 15/16"	65 5/16"	37 7/8"	66 1/4"	2 1/2"	85 LBS	RS-232, IP	TV'S WILL BE CONTROLLED BY LOCAL REMOTE UNLESS OTHERWISE NOTED.
D85	60	29 9/16"	52 1/4"	30 7/16"	53"	2 1/2"	60 LBS	RS-232, IP	THIS IS A DISPLAY

AV CUSTOM BACK BOX SCHEDULE									
TYPE	MANUFACTURER	MODEL	BOX DIMENSIONS (C) IN INCHES			CONDUITS	MOUNTING TYPE	MOUNTING HEIGHT	NOTES
			HEIGHT	WIDTH	DEPTH				
KP1		HBL263	4 3/16"	2 1/8"	3 1/4"	(1) 4", (3) 2", (5) 1"	RECESSED	HORIZONTAL	3-GANG
TP7	HUBBELL	HBL260	4 3/16"	4 3/16"	4"	(1) 4", (3) 2", (5) 1"	WALL MOUNTED	HORIZONTAL	

AV EQUIPMENT RACK SCHEDULE							
TYPE	DIMENSIONS			RU's	JUNCTION BOX	MOUNTING TYPE	NOTES
	HEIGHT	WIDTH	DEPTH				
R1	32 1/8"	23 1/2"	22"	16	C2	WALL	WALL MOUNTED EQUIPMENT RACK, HEIGHT INDICATED IS FROM BOTTOM OF RACK.
R2	32 1/8"	23 1/2"	22"	16	C2	WALL	WALL MOUNTED EQUIPMENT RACK, HEIGHT INDICATED IS FROM BOTTOM OF RACK.
R3	19 1/8"	23 1/2"	22"	12	C2	WALL	

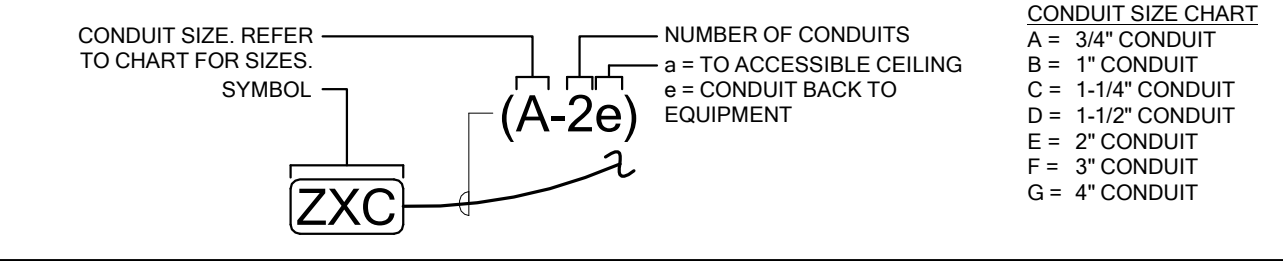
AV LOUDSPEAKER SCHEDULE								
TYPE	DIMENSIONS				SHAPE	WEIGHT	INSTALLATION	NOTES
	WIDTH (H)	WIDTH (V)	DIAMETER	DEPTH				
A1	12"	14 1/4"	0"	12"	TRAPEZOID	17 LBS	SURFACE	THIS IS A CAB LOUDSPEAKER
A2	16 1/2"	9 1/16"	0"	7 7/16"	TRAPEZOID	15 LBS	SURFACE	THIS IS A CAB LOUDSPEAKER
C4	12"	24"	12"	9"	SQUARE	4.1 LBS	RECESSED	POLEVAULT CLASSROOM LOUDSPEAKER
P6	0"	0"	12 5/16"	13"	ROUND	11.5 LBS	PENDENT	MOUNT PENDANT SO THAT IS LEVEL WITH LIGHT FIXTURE
S1	8 1/16"	12 1/8"	1 1/4"	1 1/4"	SQUARE	10 LBS	RECESSED	THIS IS A RECESSED WALL LOUDSPEAKER

FLAT PANEL WALL BOX SCHEDULE							
TYPE	DESCRIPTION	DATA	COAX	DUPL EX	AV	MFR.	MODEL
DP01	WALL MOUNTED FLAT PANEL WITH (2) DATA DROPS, (1) COAX, (1) SURGE PROTECTED DUPLEX, (1) AV PASS THROUGH	(2) DATA DROPS	(1) COAX	(1) SURGE PROTECT ED DUPLEX	(1) AV PASS THROUGH	CHIEF, LEGRAND, FSR	PAC 525, EFB4, PW84

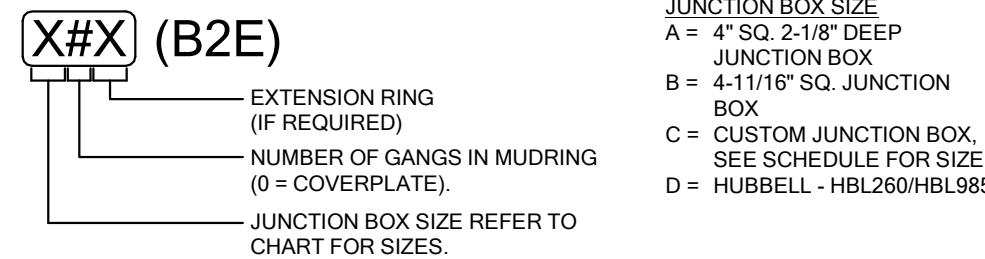
## LOW VOLTAGE SCOPE OF WORK

NOTES:		LEGEND	
1. RESPONSIBILITY MATRIX DELINEATES THE SCOPE OF WORK BETWEEN THE OWNER AND THE CONTRACTORS. CONTRACTORS ARE RESPONSIBLE TO COORDINATE BETWEEN EACH OTHER FOR THE FULL SCOPE OF WORK THEY ARE RESPONSIBLE FOR.	AC AV DC EC FR GC IC LVC NIC OWNER SC SPEC	ACCESS CONTROL CONTRACTOR AUDIOVISUAL CONTRACTOR DOOR HARDWARE CONTRACTOR ELECTRICAL CONTRACTOR FURNITURE CONTRACTOR GENERAL CONTRACTOR INTRUSTION DETECTION CONTRACTOR TELEPHONE/DATA CABLING CONTRACTOR NOT IN CONTRACT OWNER VIDEO SURVEILLANCE CONTRACTOR SEE SPECIFICATIONS	
2. ADDITIONAL NOTES MAY BE PRESENT WITHIN THE CONTRACT DOCUMENTS INDICATING SPECIFIC EQUIPMENT PROVIDED BY OTHERS OR REQUIRE INSTALLATION BY SPECIFIC DIVISIONS.			
3. INSTALLER PROVIDING THE SYSTEM CABLING SHALL PROVIDE THE CABLING, TERMINATION AND CERTIFICATION FOR A COMPLETE SYSTEM INSTALLATION, UNLESS OTHERWISE SPECIFICALLY NOTED WITHIN THE CONTRACT DOCUMENTS.			
4. INSTALLER TO VERIFY WITH CONTRACT DOCUMENTS FOR THE CONNECTION TYPE (MALE OR FEMALE) REQUIRED FOR EACH SYSTEM.			
5. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.			
DESCRIPTION		FURNISHED BY	INSTALLED BY
GENERAL			
EQUIPMENT POWER (120V, 208V, 240V, 277V, 480V)		EC	EC
ROUGH OR FINISHED TRIM, CASEWORK, MILLWORK, EQUIPMENT RACK PEDESTALS, STRUCTURAL WORK FOR SPECIAL CONSTRUCTION		GC	GC
STRUCTURAL BACKING AND SUPPORT FOR WALL MOUNTED EQUIPMENT		GC	GC
SUPPORT CABLES, PRE-CONSTRUCTION KITS, TILE BRIDGES AND/OR BACK BOXES FOR CEILING MOUNTED DEVICES.		EC	EC
ACCESS CONTROL SYSTEM			
ACCESS CONTROL OPERATING SOFTWARE		AC	AC
ACCESS CONTROL SERVER		OWN	OWN
ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL(S), AND POWER SUPPLY(S)		AC	AC
CREDENTIALS (E.G. CARDS, FOBs, TAGS, MOBILE CREDENTIALS)		AC	AC
INSTALLATION OF ACCESS CONTROL CABLING		AC	AC
TERMINATING AND TESTING THE ACCESS CONTROL CABLES		AC	AC
INDIVIDUAL ACCESS CONTROL DOOR CONTROLLERS (IF APPLICABLE)		AC	AC
END DEVICES (E.G. CREDENTIAL CARD READERS, DOOR POSITION CONTACTS, REQUEST TO EXIT MOTIONS, PUSH TO EXIT BUTTONS, DESK DOOR RELEASE BUTTONS, DESK PANIC / DURESS/LOCKDOWN BUTTONS, ETC.)		AC	AC
RECHARGABLE SEALED LEAD ACID BACK-UP BATTERIES		AC	AC
CREDENTIAL CARD/BADGE PRINTER		AC	AC
ELECTRIFIED LOCKING DOOR HARDWARE		DC	DC
EXTERIOR EQUIPMENT PEDESTALS AND ENCLOSURES		EC	EC
IP TWO-WAY AUDIO VIDEO INTERCOM SYSTEM (EXTERIOR STATIONS, ANSWERING BASE STATIONS, IP LICENSES)		AC	AC
NETWORK EQUIPMENT SPECIFICALLY FOR THE ACCESS CONTROL SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENT RACKS, ETC.)		AC	AC
OPERATING BASE STATION AND WORK STATION EQUIPMENT (COMPUTER SERVER, MONITOR, KEYBOARD, MOUSE)		OWN	OWN
POWER SUPPLIES FOR ELECTRIFIED LOCKING DOOR HARDWARE		AC	AC
AUDIOVISUAL			
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.		EC	EC
SPECIALTY BACK BOXES, TILE BRIDGES, SUPPORT CABLES, PRECONSTRUCTION KITS, ETC. FOR AUDIOVISUAL COMPONENTS (TOUCH PANELS, LOUDSPEAKERS, KEYPADS, ETC.)		AV	AV
CATEGORY CABLE / FIBER OPTIC CABLE FROM DEVICE LOCATION TO TR(MDF)/ER(IDF) TERMINATED IN PATCH PANEL		LVC	LVC
CATEGORY CABLING FROM DEVICE TO DEVICE, NOT TERMINATED IN PATCH PANELS WITHIN THE ER(MDF/TR(IDF)		AV	AV
COAXIAL CABLE		LVC	LVC
LIGHTING CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM CONTROLLER BY AV INSTALLER		EC	EC
MOTORIZED SHADE CONTROL SYSTEM INTERFACE DEVICE(S) AND CABLING TO AV CONTROL SYSTEM. TERMINATION INTO AV SYSTEM		AV	AV
CUSTOM AUDIOVISUAL CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES		AV	AV
EQUIPMENT RACKS NOT WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS		AV	AV
FURNITURE BOX TABLE CUTTING		GC	GC
FURNITURE BOXES WITH AUDIOVISUAL CONNECTIONS AND/OR CABLES		AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED HOUSING		AV	AV
PROJECTOR SCREEN MANUAL AND/OR MOTORIZED ROLLER		AV	AV
PROJECTOR SCREEN, FIXED FRAME (SIMILAR TO WHITEBOARD)		GC	GC
FLAT PANEL MONITOR MOUNTS		AV	AV
FLAT PANEL MONITORS		AV	AV
INSTRUCTOR'S LECTERNS/CONSOLES WITH INTEGRATED AUDIOVISUAL SYSTEMS		AV	AV
INTERACTIVE FLAT PANEL MONITORS AND MOUNTS		AV	AV
NETWORK SWITCHES WITHIN THE ER(MDF)/TR(IDF) FOR AUDIOVISUAL NETWORK, AUDIO, CONTROL AND VIDEO		OWNER	OWNER
VIDEO PROJECTOR		AV	AV
VIDEO PROJECTOR MOUNTS		AV	AV
INTRUSION DETECTION SYSTEM (BURGLAR ALARM)			
ANY INTRUSION DETECTION WIRELESS EQUIPMENT (RECEIVERS, REPEATERS, TRANSMITTERS, ETC.)		IC	IC
CELLULAR BACKUP COMMUNICATOR		IC	IC
END DEVICES (E.G. DOOR, WINDOW, GARAGE CONTACTS, MOTION, GLASS BREAK DETECTORS, SMOKE, HEAT DETECTORS, TEMPERATURE, MOISTURE, LEAK SENSORS, ETC.)		IC	IC
INTERIOR/EXTERIOR SIRENS AND/OR STROBES		IC	IC
INTRUSION DETECTION (ARM/DISARM) ALPHA KEYPAD(S)		IC	IC
INTRUSION DETECTION HEAD-END CONTROL PANEL & SLAVE PANELS		IC	IC
INTRUSION DETECTION LOW VOLTAGE CABLING		IC	IC
RECHARGABLE BACK UP BATTERY(S)		IC	IC
TERMINATING AND TESTING LOW VOLTAGE CABLES		IC	IC
IP CAMERAS AND VIDEO SURVEILLANCE SYSTEM			
NETWORK VIDEO RECORDER (NVR)		SC	SC
VIDEO MANAGEMENT SYSTEM (VMS) OPERATING SOFTWARE		SC	SC
VIDEO ANALYTIC SOFTWARE AND LICENSING		SC	SC
IP SURVEILLANCE CAMERA MOUNTS, MOUNTING HARDWARE AND EQUIPMENT		SC	SC
IP SURVEILLANCE CAMERA SOFTWARE LICENSES		SC	SC
IP SURVEILLANCE CAMERAS		SC	SC
MICRO SDXC MEMORY CARD(S) FOR IP SURVEILLANCE CAMERAS		SC	SC
IN-LINE CAT6 CATEGORY CABLE SURGE PROTECTORS, POWER SURGE & SUPPRESSION EQUIPMENT, AND UNINTERRUPTIBLE POWER SUPPLY (UPS)		SC	SC
IP SURVEILLANCE CAMERA ETHERNET EXTENDERS, POE INJECTORS, AND POWER SUPPLIES		SC	SC
NETWORK EQUIPMENT SPECIFICALLY FOR THE IP VIDEO SURVEILLANCE SYSTEM (E.G. NETWORK SWITCHES, POE SWITCHES, ROUTERS, PATCH PANELS, EQUIPMENT RACKS, ETC.)		OWNER	OWNER
OPERATING BASE STATION AND WORK STATION EQUIPMENT (COMPUTER SERVERS, MONITORS, KEYBOARDS, MICE)		OWNER	OWNER
SPECIFIED CATEGORY CABLE AND FIBER OPTIC CABLE		LVC	LVC
TERMINATING AND TESTING THE SPECIFIED CATEGORY CABLING AND FIBER OPTIC CABLING		LVC	LVC
TELEPHONE / DATA			
ROUGH-IN - CONDUIT W/PULL STRING, JUNCTION BOXES, FLOOR BOXES, FLAT PANEL DISPLAY BACK BOXES, ETC.		EC	EC
CATEGORY CABLE / FIBER OPTIC CABLE		LVC	LVC
PATCH CABLES FOR DEVICES WITHIN THE TRIVER FOR CONNECTION BETWEEN PATCH PANELS AND NETWORK SWITCHES		LVC	LVC
TERMINATE CABLE (PATCH PANEL AND DATA PORT), INCLUDING TESTING		LVC	LVC
CUSTOM TELECOMMUNICATIONS CONNECTOR INSERT PLATE FOR FLOOR BOXES AND/OR WALL PLATES		EC	EC
DATA SWITCHES, SERVERS, FIREWALL, ETC		OWNER	OWNER
EQUIPMENT RACKS WITHIN THE ER(MDF)/TR(IDF) FOR SYSTEM COMPONENTS		LVC	LVC
RACK MOUNT UPS, POWER DISTRIBUTION UNIT (PDU)		LVC	LVC
WIRELESS ACCESS POINTS		OWNER	OWNER

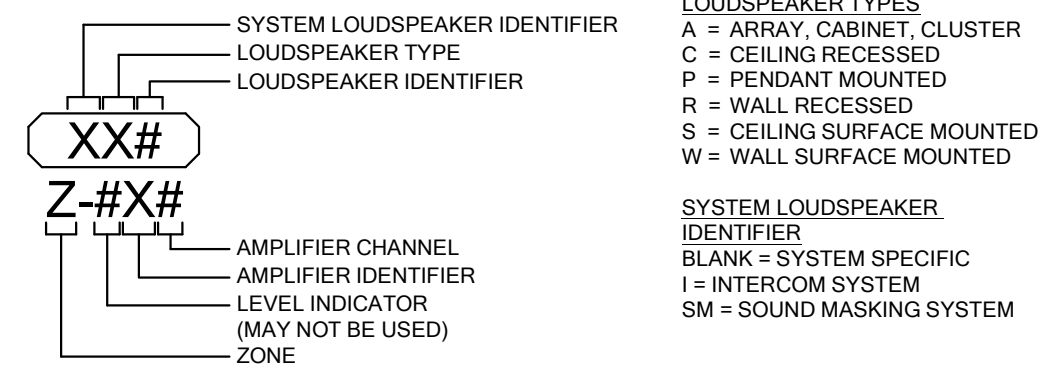
## CONDUIT SCHEDULE LEGEND:



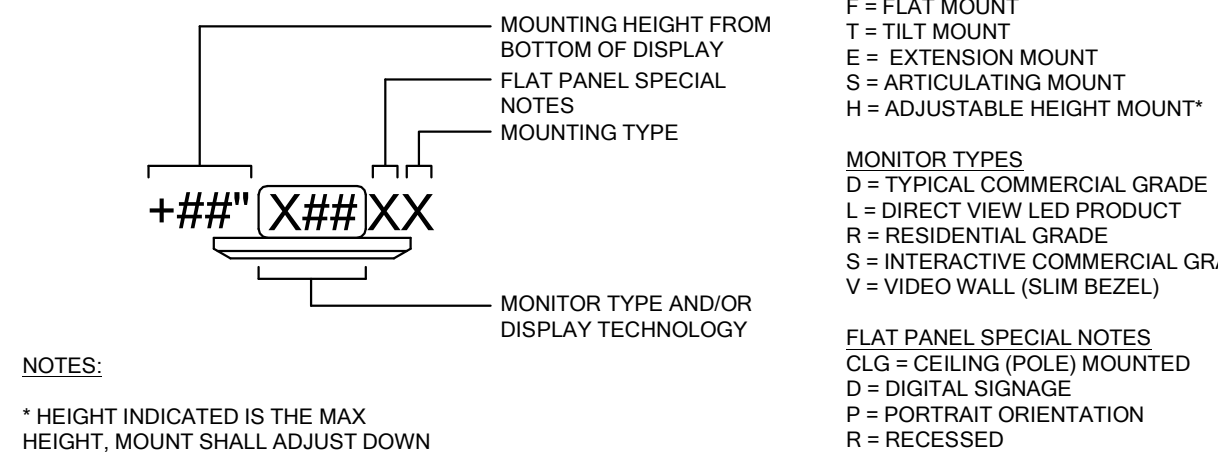
## ROUGH-IN JUNCTION BOX LEGEND:



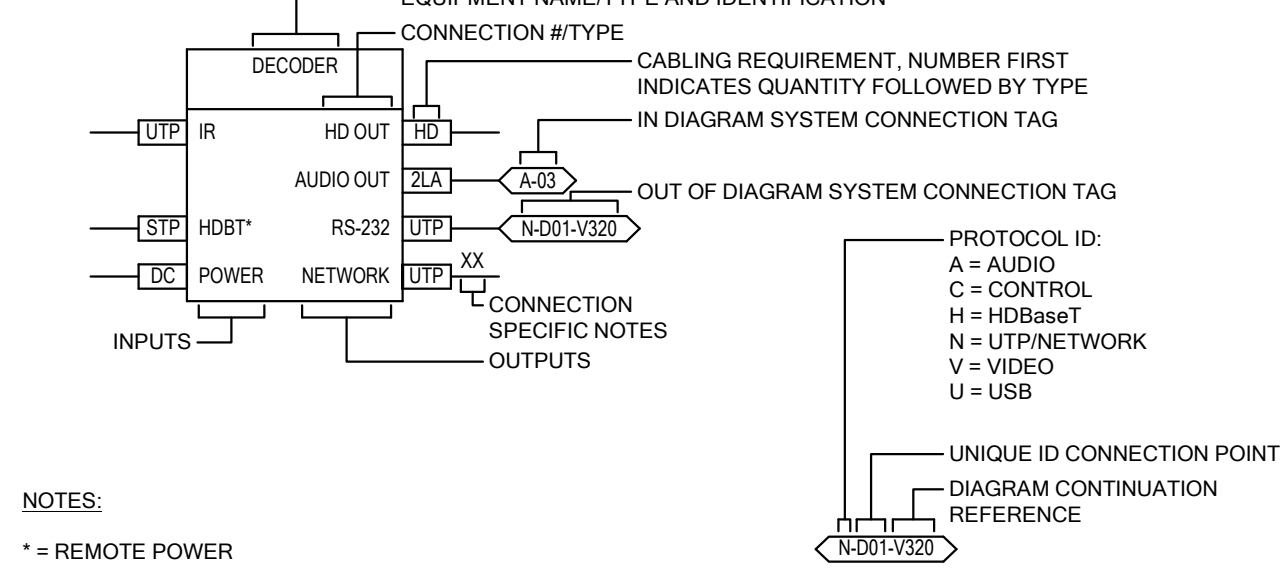
## LOUDSPEAKER LEGEND:



## FLAT PANEL MONITOR LEGEND:



## SIGNAL FLOW LEGEND:



REVISIONS	
DESCRIPTION	DATE

PROJECT INFORMATION	
DATE:	SEPTEMBER 12, 2024
PROJECT #:	24-013
PM / PA:	BNA
PIC:	BNA

DRAWING SET STATUS
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BID SET
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THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR
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SHEET TITLE
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# SECRET TITLE

**Г211-А**

1. INFORMATION SHOWN PERTAINS TO THE BASE BID. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.





Autodesk Docs: /24/013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BP2.rvt  
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A

B

C

D

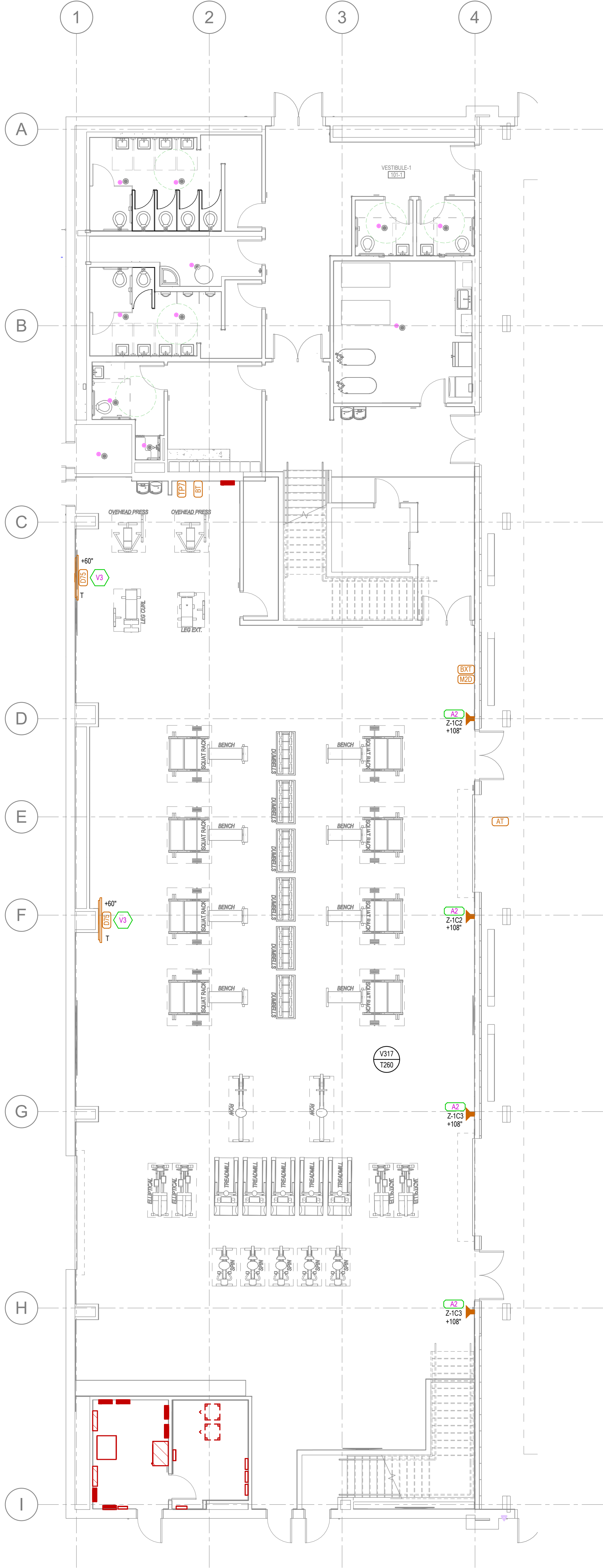
E

1

2

3

4



2

MAIN LEVEL AUDIOVISUAL FLOOR PLAN - ALTERNATIVE  
SCALE = 1/8" = 1'-0"

4

A

B

C

D

E

F

G

H

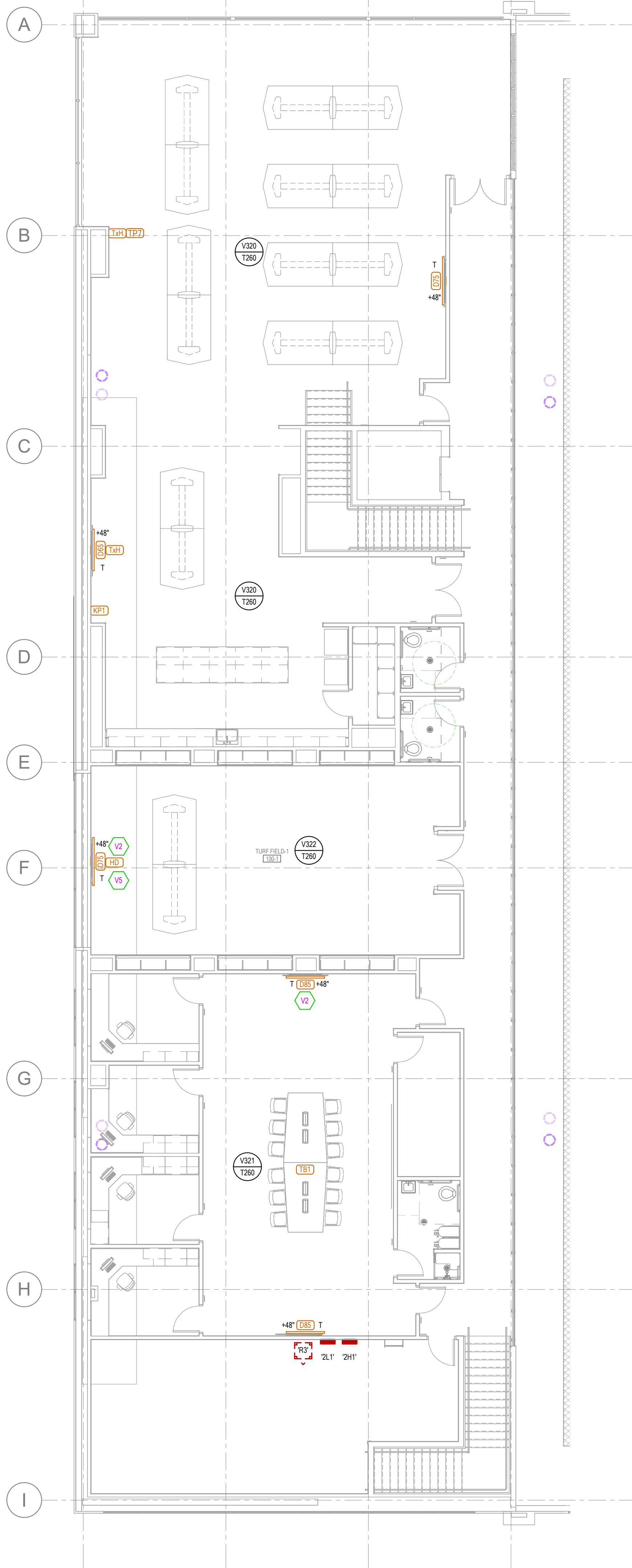
I

1

2

3

4



3

UPPER LEVEL AUDIOVISUAL FLOOR PLAN - ALTERNATIVE  
SCALE = 1/8" = 1'-0"

## SHEET KEYNOTES

- V2 SECURE AUDIO AMPLIFIER BEHIND DISPLAY.  
V3 CENTER ON COLUMN. VERIFY FINAL MOUNTING LOCATION WITH ARCHITECT.  
V5 MOUNT DISPLAY TO COLUMN.



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PROJECT TITLE AND ADDRESS  
CCHS FIELDHOUSE & SOCCER FIELD

12945 SOUTH 700 EAST  
DRAFTER, UTAH 84020

### REVISIONS

DESCRIPTION	DATE

### PROJECT INFORMATION

DATE: SEPTEMBER 12, 2024  
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PIC: BNA

### DRAWING SET STATUS

BID SET

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SHEET TITLE

ALTERNATE  
AUDIOVISUAL  
FLOOR PLAN

SHEET NUMBER

T211-B

## ALTERNATE #1

1. REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.



Autodesk Docs: //24-013 CCHS Fieldhouse & Soccer Field BP2.rvt  
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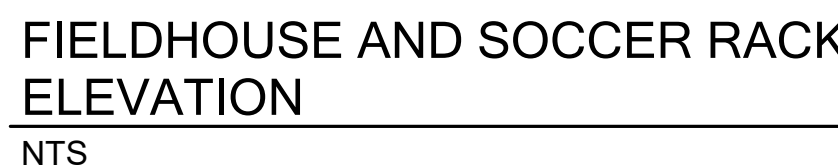
**221-B**

W7 COORDINATE FINAL ANTENNA MOUNTING LOCATION WITH ARCHITECT. ANTENNA RECEPTION NEEDS TO COVER VIP AND KITCHENETTE AREAS.



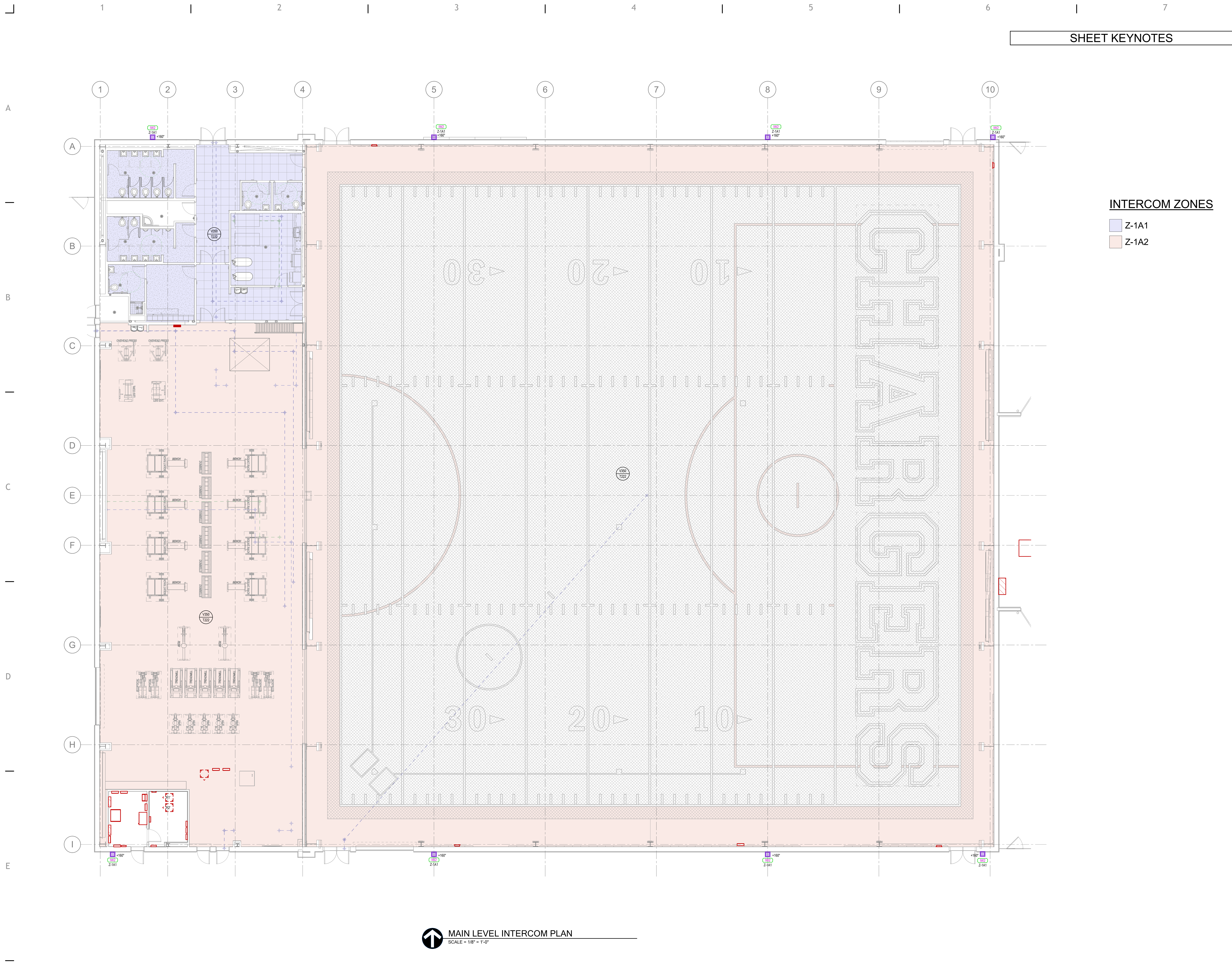
1. REFER TO FLOORPLANS SHOWN FOR ALTERNATE #1 PLAN CONFIGURATIONS. BIDDING CONTRACTOR SHALL REFERENCE ALL GENERAL CONTRACTOR DOCUMENTATION DETAILING BASE BID AND ALTERNATE PLANS WITHIN THE PROJECT. PROVIDE BROKEN OUT NUMBERS AS DIRECTED BY GENERAL CONTRACTOR DOCUMENTATION.







Autodesk Docs: /24/013 CCHS Fieldhouse & Soccer Field/CCHS Fieldhouse & Soccer Field BPP.rvt  
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SHEET KEYNOTES

INTERCOM ZONES

- Z-1A1
- Z-1A2

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DRAFTER, UTAH 84020

PROJECT TITLE AND ADDRESS

**CCHS FIELDHOUSE & SOCCER FIELD**

REVISIONS	
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DATE: SEPTEMBER 12, 2024

PROJECT #: 24-013

PM / PA: BNA

PIC: BNA

DRAWING SET STATUS

**BID SET**

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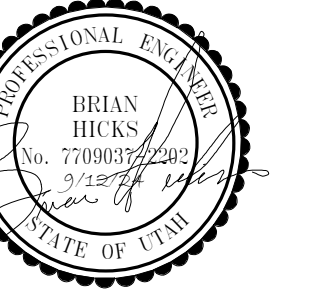
SHEET TITLE

**MAIN LEVEL INTERCOM PLAN**

SHEET NUMBER

**T411**





# CCHS FIELDHOUSE & SOCCER FIELD

DRAPER, UTAH 84020

[illegible]

PROJECT INFORMATION	
E:	SEPTEMBER 12, 2024
JECT #:	24-013
PA:	BNA
	BNA

### DRAWING SET STATUS

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T TITLE






## ALTERNATE INTERCOM PLAN

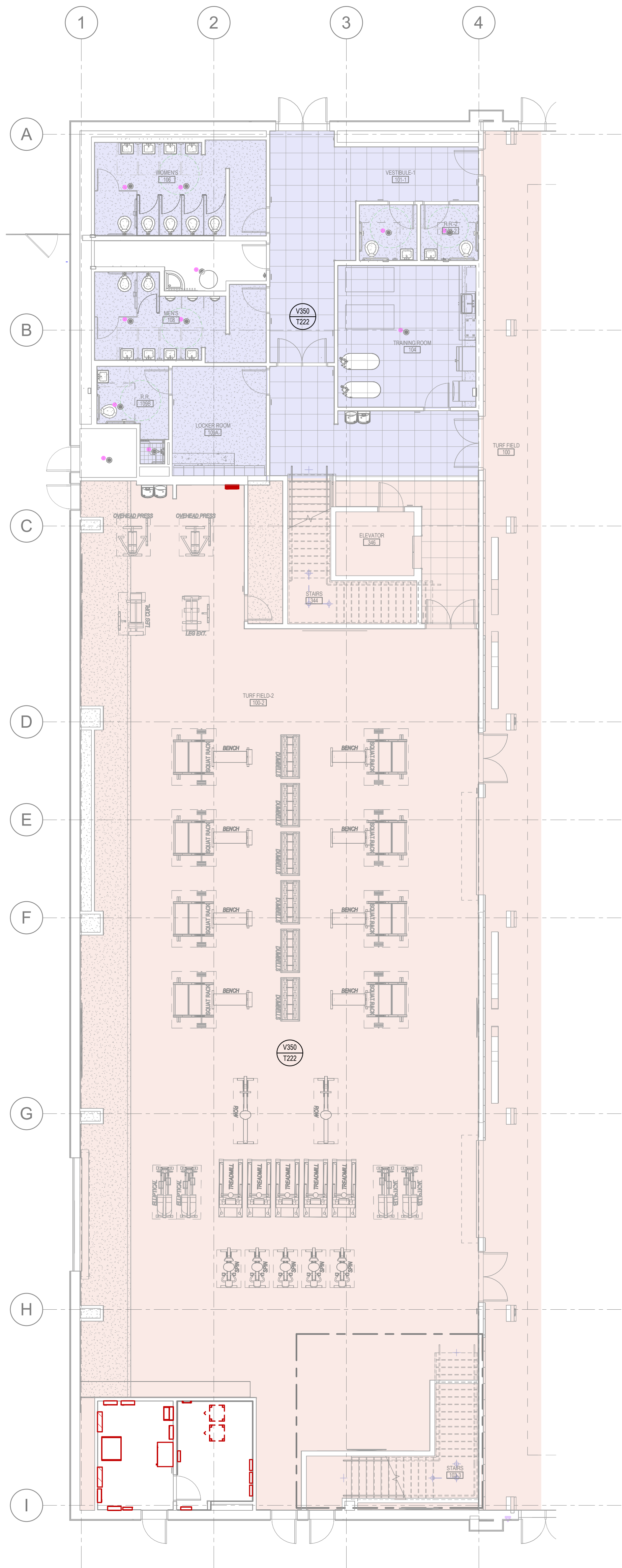
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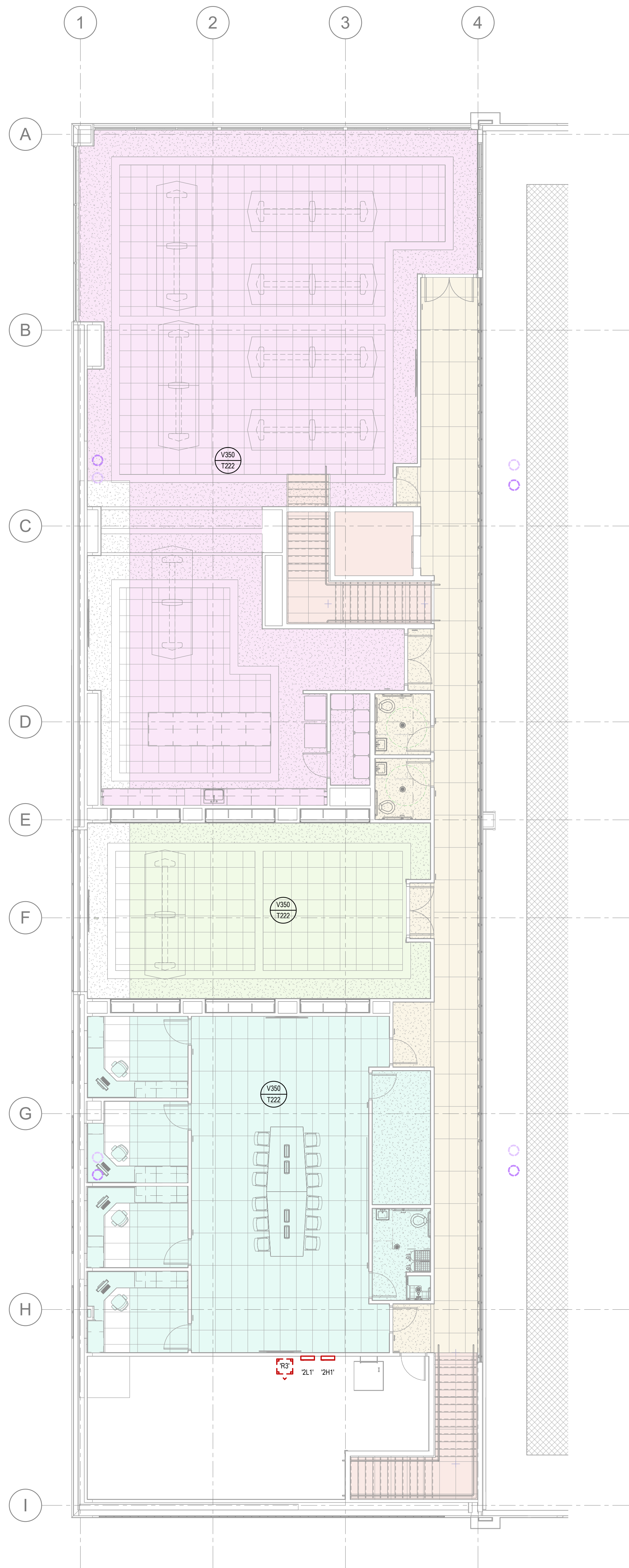
## SHEET KEYNOTES

## INTERCOM ZONES

-  Z-1A1
-  Z-1A2
-  Z-2A1
-  Z-2A2
-  Z-2A3



 **MAIN INTERCOM PLAN - ALTERNATIVE**  
SCALE = 1/8" = 1'-0"



 UPPER LEVEL INTERCOM PLAN - ALTERNATIVE  
SCALE = 1/8" = 1'-0"