

WOLFEBORO PUBLIC SAFETY BUILDING

251 SOUTH MAIN STREET, WOLFEBORO, NH
 DESIGN DEVELOPMENT
 05-31-2023

Team List

OWNER:
 TOWN OF WOLFEBORO
 PO BOX 629
 WOLFEBORO, NH 03894

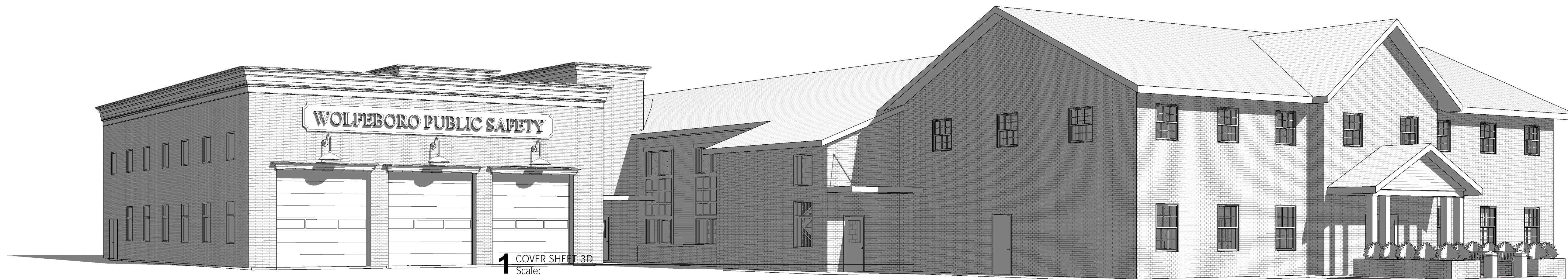
CONSTRUCTION MANAGER:
 CONNESTON CONSTRUCTION, INC
 132 S MAIN STREET
 LACONIA, NH 03246
 T: (603) 524-3776

CIVIL:
 NORWAY PLAINS ASSOCIATES, INC
 2 CONTINENTAL BLVD
 ROCHESTER, NH 03867
 T: (603) 335-3948

STRUCTURAL:
 TFMORAN, INC
 48 CONSTITUTION DRIVE
 BEDFORD, NH 03110
 T: (603) 472-4488

ARCHITECT:
 BANWELL ARCHITECTS, NH
 6 SOUTH PARK STREET
 LEBANON, NH 03766
 T: (603) 448-3778

MEP/FP:
 CHARLES P. BUCKLEY, P.E.
 500 DEPOT STREET
 RUMNEY, NH 03266
 T: (603) 786-9992



1 COVER SHEET 3D
 Scale:

CIVIL DRAWINGS

- E-1 EXISTING FEATURES
- C-1 SITE PLAN
- C-2 GRADING AND DRAINAGE PLAN
- C-3 UTILITY PLAN
- C-4 PARKING AND SIDEWALK DETAILS
- C-5 DRAINAGE DETAILS
- C-6 STORMTECH DETAIL
- C-7 UTILITY DETAILS

STRUCTURAL DRAWINGS

- S001 GENERAL STRUCTURAL NOTES
- S002 GENERAL STRUCTURAL NOTES (CONT.)
- S003 GENERAL STRUCTURAL NOTES (CONT.)
- S004 STATEMENT OF SPECIAL INSPECTIONS
- S005 STATEMENT OF SPECIAL INSPECTIONS
- S006 STATEMENT OF SPECIAL INSPECTIONS
- S101 FOUNDATION PLAN
- S102 SECOND FLOOR FRAMING PLAN
- S103 ROOF FRAMING PLAN
- S104 TOWER AND CARPORT FRAMING PLAN
- S111 PHASE 3 - REHAB FRAMING PLANS
- S201 COLUMN SCHEDULE
- S202 COLUMN SCHEDULE AND PIER DETAILS
- S203 COLUMN BASE PLATE DETAILS
- S301 TYPICAL FOUNDATION DETAILS
- S302 TYPICAL FOUNDATION DETAILS
- S303 FOUNDATION SECTIONS AND DETAILS
- S401 TYPICAL STEEL FRAMING DETAILS
- S402 TYPICAL STEEL FRAMING DETAILS
- S403 TYPICAL STEEL FRAMING DETAILS
- S404 TYPICAL STEEL FRAMING DETAILS
- S405 TYPICAL STEEL FRAMING DETAILS
- S406 TYPICAL STEEL FRAMING DETAILS
- S407 STEEL FRAMING SECTIONS AND DETAILS
- S408 STEEL FRAMING SECTIONS AND DETAILS (CONT.)
- S501 TYPICAL WOOD FRAMING DETAILS
- S502 TYPICAL WOOD SHEAR WALL AND CONNECTION DETAILS
- S503 TYPICAL WOOD TRUSS BRACING DETAILS
- S504 TYPICAL WOOD FRAMING DETAILS
- S601 TYPICAL MASONRY DETAILS
- S701 TYPICAL CFS DETAILS

ARCHITECTURAL DRAWING LIST

- PHS-1 PHASING PLAN
- AD101 DEMOLITION PLANS
- A001 GENERAL NOTES, ABBREVIATIONS, WALL TYPES
- A101 LEVEL 1 FLOOR PLAN
- A102 LEVEL 2 FLOOR PLAN
- A103 ROOF PLAN
- A121 LEVEL 1 REFLECTED CEILING PLAN
- A122 LEVEL 2 REFLECTED CEILING PLANS
- A201 EXTERIOR ELEVATIONS
- A202 EXTERIOR ELEVATIONS
- A300 BUILDING SECTIONS
- A302 WALL SECTIONS
- A303 WALL SECTIONS
- A310 EXTERIOR DETAILS
- A400 ENLARGED STAIR PLANS AND SECTIONS
- A500 ENLARGED RESTROOM PLANS AND SCHEDULES
- A501 ENLARGED RESTROOM PLANS
- A601 DOOR SCHEDULES
- A602 DOOR SCHEDULES
- A603 WINDOW SCHEDULES
- A801 LEVEL 1 FINISH PLAN
- A802 LEVEL 2 FINISH PLAN
- A900 3D SKETCHES

MECHANICAL DRAWINGS

- M101 HVAC NOTES, SYMBOLS AND DETAILS
- M102 HVAC SCHEDULES
- M103 LEVEL 1 HVAC PLAN
- M104 LEVEL 2 HVAC PLAN
- M105 LEVEL 1 RADIANT FLOOR HEATING PLAN
- M106 HVAC DETAILS
- M107 HVAC DETAILS
- M108 HVAC DETAILS
- M109 HVAC DETAILS

PLUMBING DRAWINGS

- P101 PLUMBING NOTES, SYMBOLS AND DETAILS
- P102 LEVEL 1 PLUMBING PLAN - WASTE AND VENT PIPING
- P103 LEVEL 2 PLUMBING PLAN - WASTE AND VENT PIPING
- P104 LEVEL 1 PLUMBING PLAN - WATER AND GAS PIPING
- P105 LEVEL 2 PLUMBING PLAN - WATER AND GAS PIPING
- P106 ROOF DRAINAGE PLAN
- P107 PLUMBING DETAILS

ELECTRICAL DRAWINGS

- E101 ELECTRICAL NOTES, SYMBOLS AND DETAILS
- E102 LEVEL 1 ELECTRICAL POWER PLAN
- E103 LEVEL 2 ELECTRICAL POWER PLAN
- E104 LEVEL 1 LIGHTING PLAN
- E105 LEVEL 2 LIGHTING PLAN
- E106 ELECTRICAL RISER DIAGRAM AND GROUNDING AND BONDING DETAIL
- E107 ELECTRICAL PANEL SCHEDULES

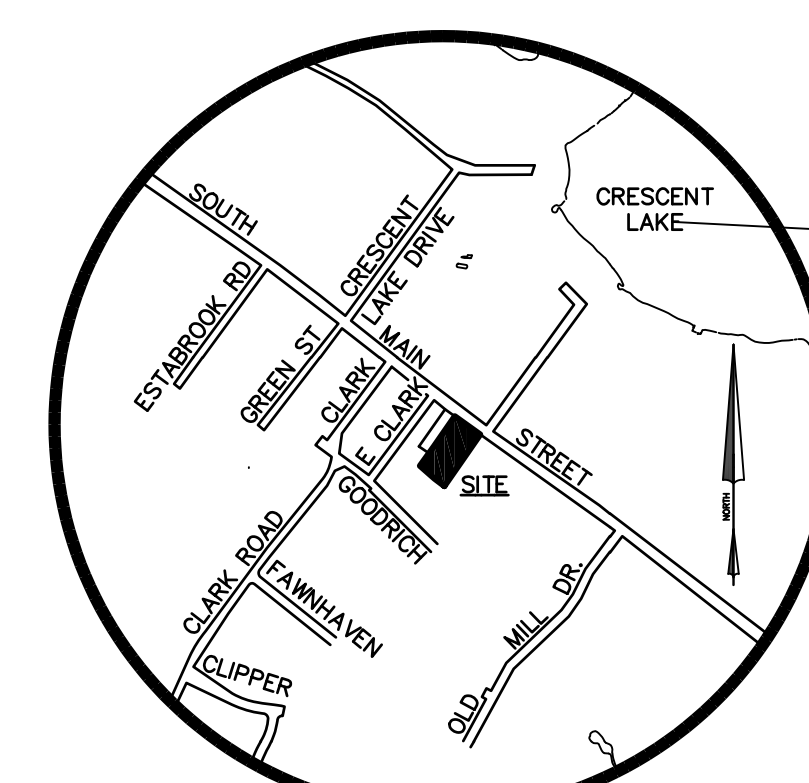
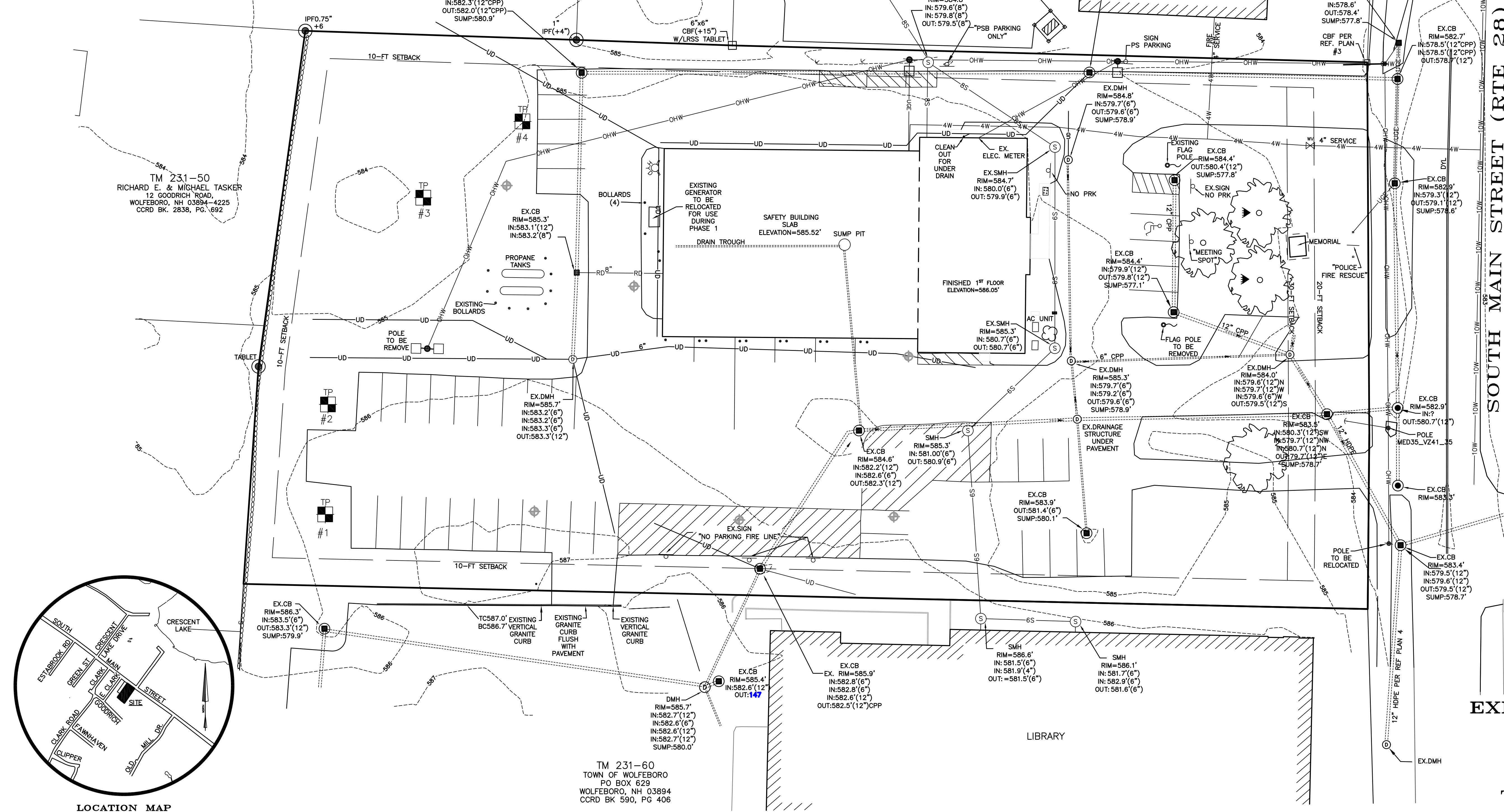
VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL
 COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT
 MANUAL PREPARED FOR THIS PROJECT.

BID SET

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

- LEGEND
PROPERTY LINE
LIMITS OF JURISDICTIONAL WETLANDS
EXISTING TREE LINE
EXISTING STONEWALLS
EXISTING RAILROAD TRACKS
EXISTING CONTOUR LINE (NAVD88)
EXISTING DRAIN LINE
EXISTING OVERHEAD WIRES
OHW
10W
S
UD
RD
EXISTING UTILITY POLE
EXISTING LIGHT POLES
EXISTING CATCH BASIN
EXISTING SEWER MANHOLE
EXISTING MONUMENT
EXISTING HYDRANT
EXISTING WATER GATE OR SHUT-OFF VALVE
EXISTING TEST PIT LOCATION & NUMBER
BORING - SW COLE
FLAGE POLE

- GENERAL SITE PLAN NOTES
1. THIS PARCELS ARE LOCATED IN THE: VILLAGE RESIDENTIAL (VR) ZONE
2. TOTAL PARCEL AREA: 83676.51 SQUARE FEET OR 1.92 ACRES.
3. THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING FEATURES.
4. ALL EXISTING UTILITIES LOCATIONS ARE APPROXIMATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THEIR EXACT LOCATION PRIOR TO ANY WORK BEING PERFORMED.
5. THIS PLAN SHOWS FEATURES LOCATED IN THE FIELD IN NOVEMBER & DECEMBER OF 2022. SOME FEATURES WERE PLACED USING REFERENCE PLAN #3.
6. DIMENSIONAL REGULATIONS PER ZONING ORDINANCE: VILLAGE RESIDENTIAL (VR) ZONE: MINIMUM LOT AREA = 21,780 SF MINIMUM LOT AREA (EACH ADDITIONAL DWELLING UNIT) = 10,890 SF MINIMUM LOT FRONTAGE = 75 FT MINIMUM YARD SETBACKS: FRONT (MIN) = 20 FT FRONT (MAX) = 30 FT SIDE = 10 FT REAR = 10 FT MAXIMUM LOT COVERAGE = 30% MAXIMUM BUILDING HEIGHT = 30' (<10/12 PITCH) 35' (>10/12 PITCH) (ULTIMATE CERTIFICATION AND VERIFICATION OF THE ZONE DESIGNATION AND APPLICABLE LOCATION OF BUILDING SETBACK REQUIREMENTS ARE THE SOLE RESPONSIBILITY OF THE ZONING OFFICER IN THE SUBJECT MUNICIPALITY.)
7. ORIENTATION: HORIZONTAL AND VERTICAL DATUMS NAD83 & NAVD88
8. PARCEL IS NOT LOCATED WITHIN ZONE A (100YR FLOOD) AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY MAP, COMMUNITY #33003C07300 DATED MARCH 19, 2013.



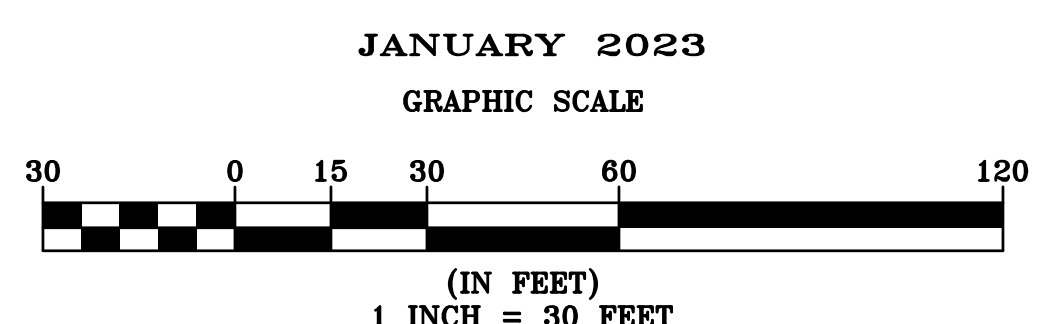
TM 231-90 HUGGINS HOSPITAL 240 SOUTH MAIN STREET WOLFEBORO, NH 03894 CCRD BK. 2745, PG. 361

TM 231-87 BISHOP OF PROTESTANT EPISCOPAL PO BOX 359 WOLFEBORO, NH 03894 CCRD BK. 303, PG. 44

REFERENCE PLAN
1) PLAN OF GRACE BUTTS LOT, SOUTH MAIN STREET, WOLFEBORO, N.H. DATED: OCTOBER 25, 1971 BY LRSS, INC. RECORDED: CCRD PLAN BOOK 20 PAGE 14
2) EXISTING CONDITIONS WORKSHEET, WOLFEBORO PUBLIC LIBRARY DATED: OCTOBER 4, 2016 BY WMSE, INC. RECORDED: ON FILE AT NORWAY PLAINS OFFICE.
3) EXISTING FEATURES PLAN, 245 SOUTH MAIN STREET, WOLFEBORO, N.H. FOR MICHAEL J. O'CONNELL, M.D. DATED: JULY 8, 2010 BY NORWAY PLAINS ASSOCIATES, INC. RECORDED: ON FILE AT NORWAY PLAINS OFFICE.
4) TOWN OF WOLFEBORO, NH PUBLIC SAFETY BLD DRAINAGE & PARKING LOT IMPROVEMENTS DATED: SEPTEMBER 16, 2011 BY QUANTUM CONSTRUCTION CONSULTANTS, LLC

OWNER OF RECORD
TAX MAP 231, LOT 57
OWNER OF RECORD:
TOWN OF WOLFEBORO
CCRD BOOK 499, PAGE 74
BOOK 2295 PAGE 789 (SEE LOT MERGER)

EXISTING FEATURES PLAN
TAX MAP 231, LOT 57
251 SOUTH MAIN STREET
CARROLL COUNTY
WOLFEBORO, N.H.
PREPARED FOR:
TOWN OF WOLFEBORO



LEGEND

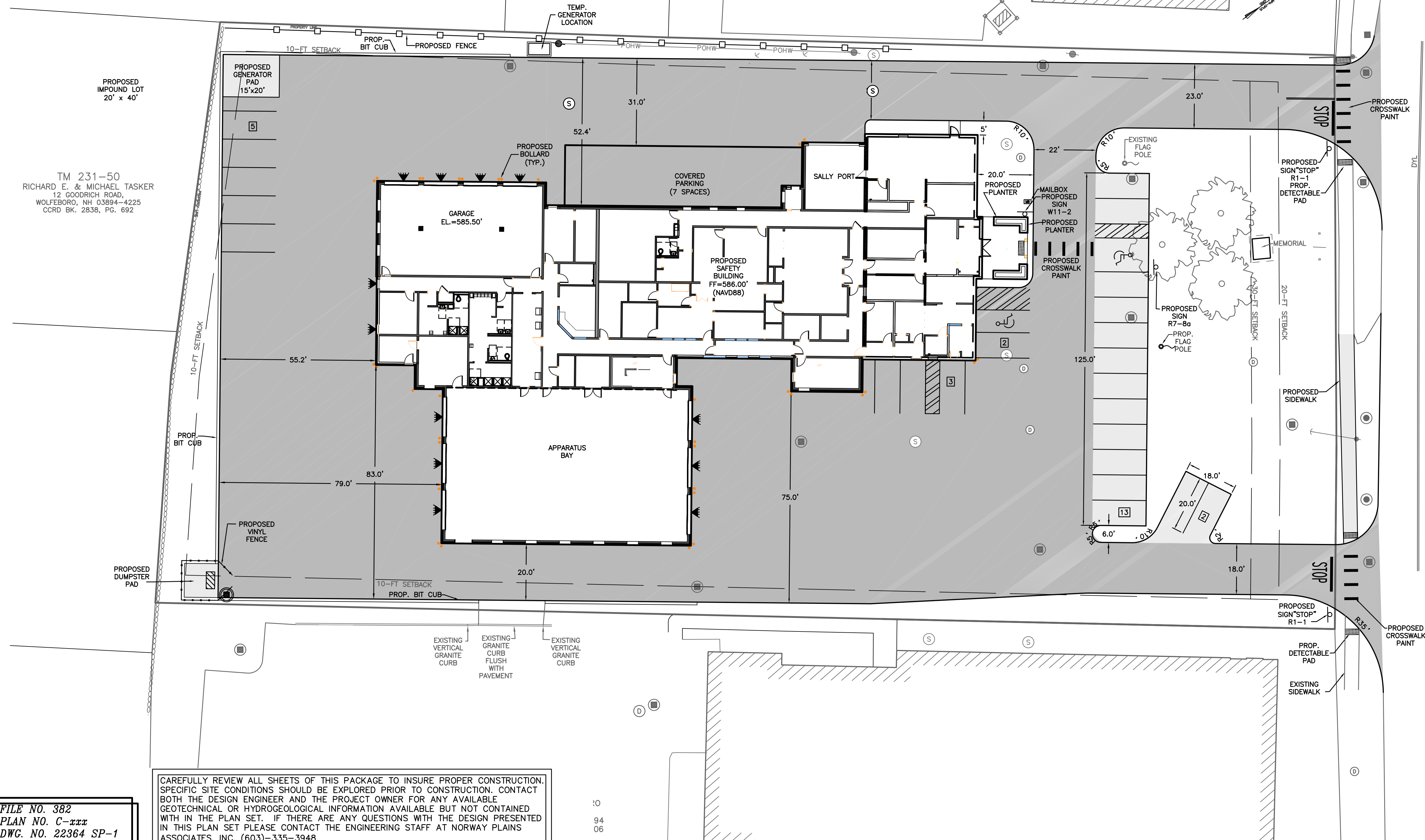
—	PROPERTY LINE	—	PROPOSED DETECTABLE WARNING PAVERS
- - -	JURISDICTIONAL WETLANDS	-	PROPOSED SIGNS
—	EXISTING TREE LINE	VGC	VERTICAL GRANITE CURB
—	EXISTING OVERHEAD WIRES	SGB	SLOPE GRANITE CURB
—	EXISTING HYDRANT	CCB	CAPE CODE BERM
—	EXISTING WATER GATE OR SHUT-OFF VALVE	R20'	PAVEMENT RADIUS (20')
—	EXISTING UTILITY POLE		PROPOSED STANDARD PARKING SPACES (10'x20')
—	EXISTING SEWER MAN HOLE		PROPOSED VAN ACCESSIBLE PARKING SPACES (10' x 20' WITH 10' x 20' ACCESS ISLE)
—	EXISTING CATCH BASIN		
—	EXISTING LIGHT POLES		
—	PROPOSED BUILDING		
—	PROPOSED PAVEMENT		
—	PROPOSED PAVEMENT W/ CAPE CODE CURB		
■	PROPOSED HEAVY PAVEMENT		
■	PROPOSED PAVEMENT		
■	PROPOSED SIDEWALK		
■	PROPOSED CONCRETE		

WOLFEBORO, NH 03894-2208
CCRD BK. 3272, PG. 764

TM 231-50
RICHARD E. & MICHAEL TASKER
12 GOODRICH ROAD,
WOLFEBORO, NH 03894-4225
CCRD BK. 2838, PG. 692

TM 231-56
MICHAEL J. O'CONNELL RVCBL
TRUST
67 JONATHAN AVE.
ROCHESTER, NH 03839
CCRD BK. 2858, PG. 323

TM 231-90
HUGGINS HOSPITAL
240 SOUTH MAIN STREET
WOLFEBORO, NH 03894
CCRD BK. 2745, PG. 361



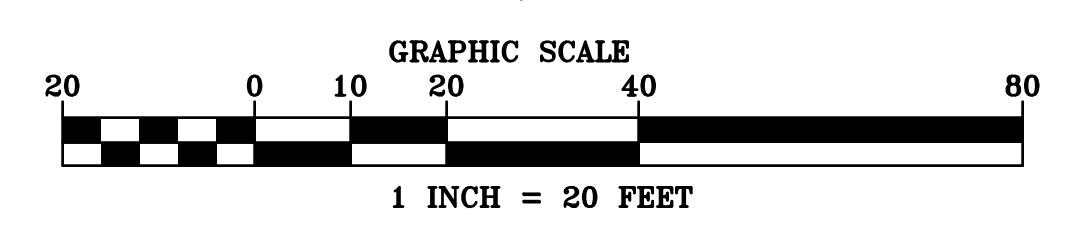
SOUTH MAIN STREET (RTE 28)

CHRISTIAN RIDGE RD

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

FILE NO. 382
PLAN NO. C-xxx
DWG. NO. 22364 SP-1
F.B. NO.

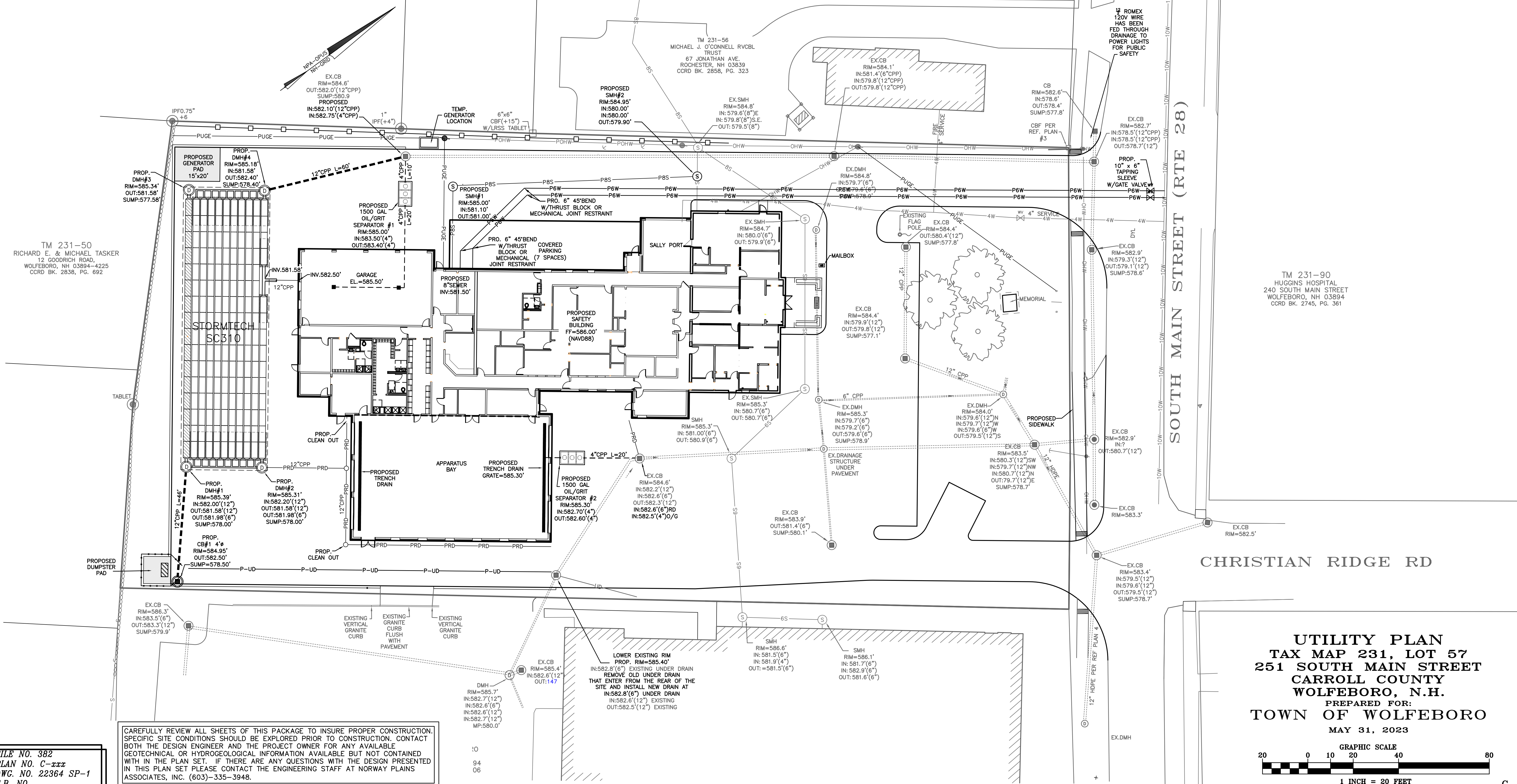
BID SET
SITE LAYOUT PLAN
TAX MAP 231, LOT 57
251 SOUTH MAIN STREET
CARROLL COUNTY
WOLFEBORO, N.H.
PREPARED FOR:
TOWN OF WOLFEBORO
MAY 31, 2023



BID SET

LEGEND

- PROPERTY LINE
- JURISDICTIONAL WETLANDS
- EXISTING OVERHEAD WIRES
- EXISTING WATER MAIN
- EXISTING GRAVITY SEWER MAIN
- EXISTING SEWER FORCE MAIN
- EXISTING UNDERGROUND ELECTRIC WIRES
- EXISTING UNDERGROUND UTILITY WIRES
- EXISTING GAS PIPE
- EXISTING DRAIN LINE
- EXISTING HYDRANT
- EXISTING WATER GATE OR SHUT-OFF VALVE
- EXISTING UTILITY POLE
- EXISTING SEWER MANHOLE
- EXISTING CATCH BASIN
- EXISTING LIGHT POLES
- PROPOSED DRAIN LINE
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED PROPANE GAS LINE
- PROPOSED UNDERGROUND UTILITY WIRES
- PROPOSED UNDERGROUND ELECTRIC WIRES
- PROPOSED HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER SHUT-OFF VALVE
- PROPOSED SEWER SHUT-OFF VALVE
- PROPOSED UTILITY POLE
- PROPOSED LIGHT POLES
- PROPOSED BUILDING LIGHT FIXTURES

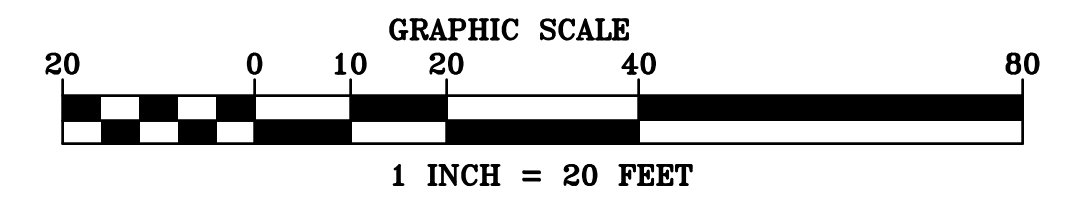


TM 231-50
 RICHARD E. & MICHAEL TASKER
 12 GOODRICH ROAD,
 WOLFEBORO, NH 03894-4225
 CCRD BK. 2838, PG. 692

TM 231-56
 MICHAEL J. O'CONNELL RVCBL
 TRUST
 67 JONATHAN AVE.
 ROCHESTER, NH 03839
 CCRD BK. 2858, PG. 323

TM 231-90
 HUGGINS HOSPITAL
 240 SOUTH MAIN STREET
 WOLFEBORO, NH 03594
 CCRD BK. 2745, PG. 361

UTILITY PLAN
TAX MAP 231, LOT 57
251 SOUTH MAIN STREET
CARROLL COUNTY
WOLFEBORO, N.H.
 PREPARED FOR:
TOWN OF WOLFEBORO
 MAY 31, 2023



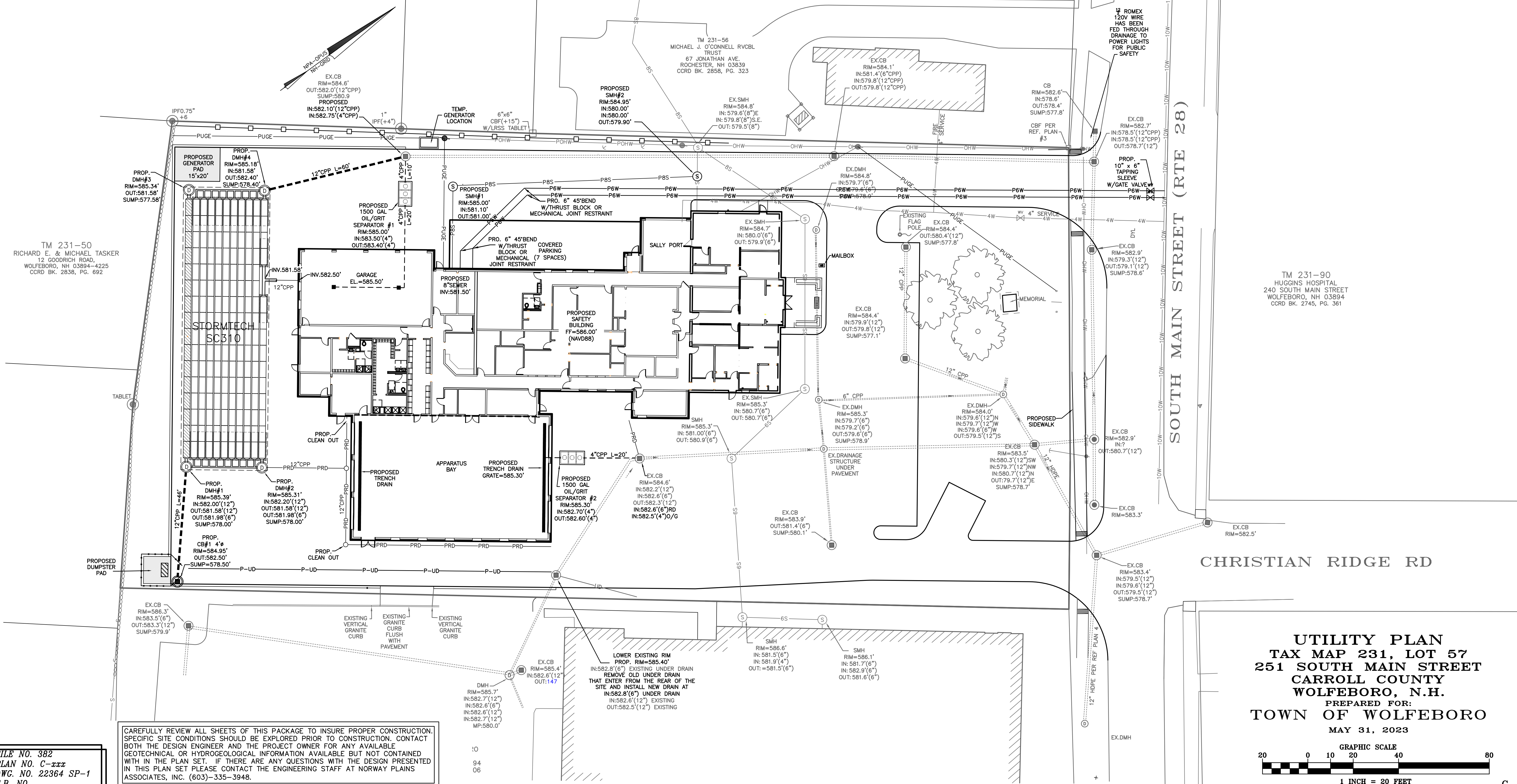
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 PLAN NO. C-xxx
 DWG. NO. 22364 SP-1
 F.B. NO.

BID SET

LEGEND

- PROPERTY LINE
- JURISDICTIONAL WETLANDS
- EXISTING OVERHEAD WIRES
- EXISTING WATER MAIN
- EXISTING GRAVITY SEWER MAIN
- EXISTING SEWER FORCE MAIN
- EXISTING UNDERGROUND ELECTRIC WIRES
- EXISTING UNDERGROUND UTILITY WIRES
- EXISTING GAS PIPE
- EXISTING DRAIN LINE
- EXISTING HYDRANT
- EXISTING WATER GATE OR SHUT-OFF VALVE
- EXISTING UTILITY POLE
- EXISTING SEWER MANHOLE
- EXISTING CATCH BASIN
- EXISTING LIGHT POLES
- PROPOSED DRAIN LINE
- PROPOSED WATER SERVICE
- PROPOSED SEWER LINE
- PROPOSED PROPANE GAS LINE
- PROPOSED UNDERGROUND UTILITY WIRES
- PROPOSED UNDERGROUND ELECTRIC WIRES
- PROPOSED HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER SHUT-OFF VALVE
- PROPOSED SEWER SHUT-OFF VALVE
- PROPOSED UTILITY POLE
- PROPOSED LIGHT POLES
- PROPOSED BUILDING LIGHT FIXTURES



TM 231-50
 RICHARD E. & MICHAEL TASKER
 12 GOODRICH ROAD,
 WOLFEBORO, NH 03894-4225
 CCRD BK. 2838, PG. 692

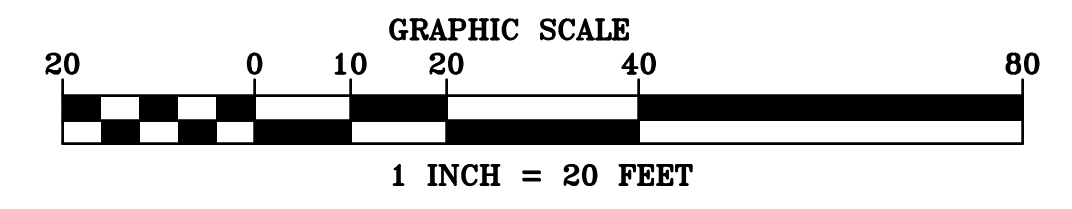
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SOUTH MAIN STREET (RTE 28)

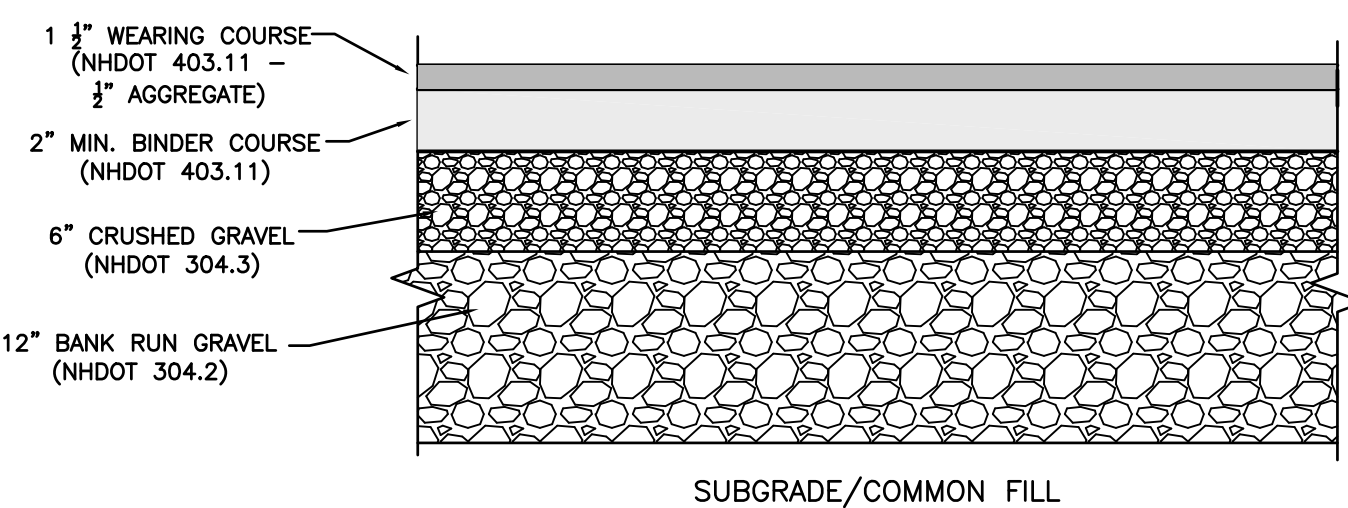
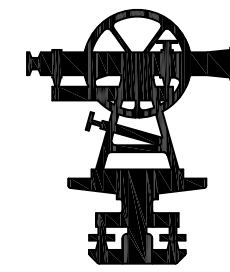
CHRISTIAN RIDGE RD

UTILITY PLAN
 TAX MAP 231, LOT 57
 251 SOUTH MAIN STREET
 CARROLL COUNTY
 WOLFEBORO, N.H.
 PREPARED FOR:
 TOWN OF WOLFEBORO
 MAY 31, 2023

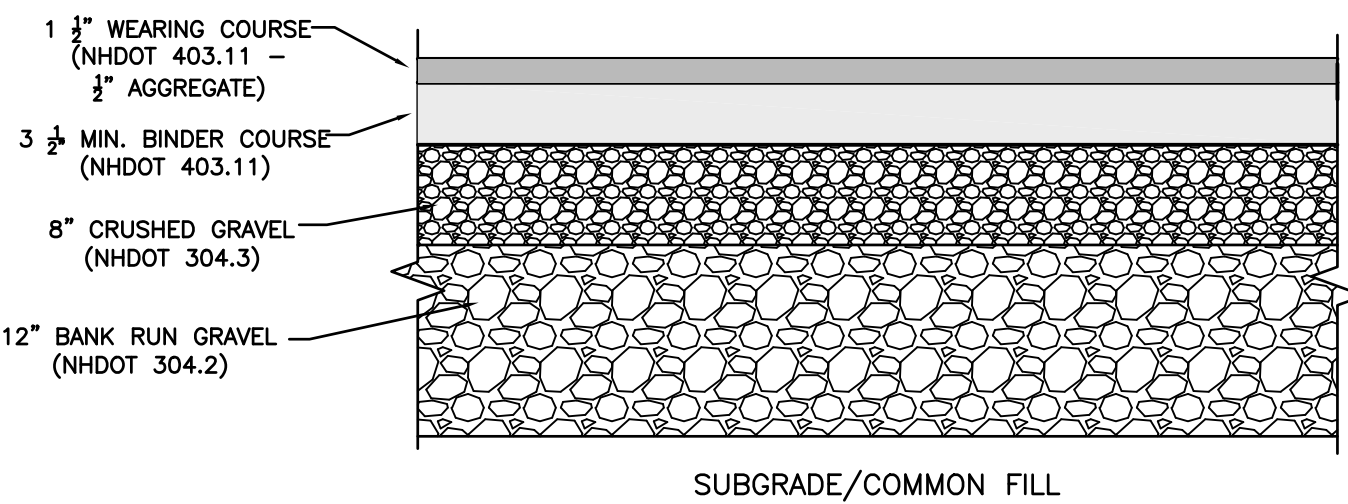


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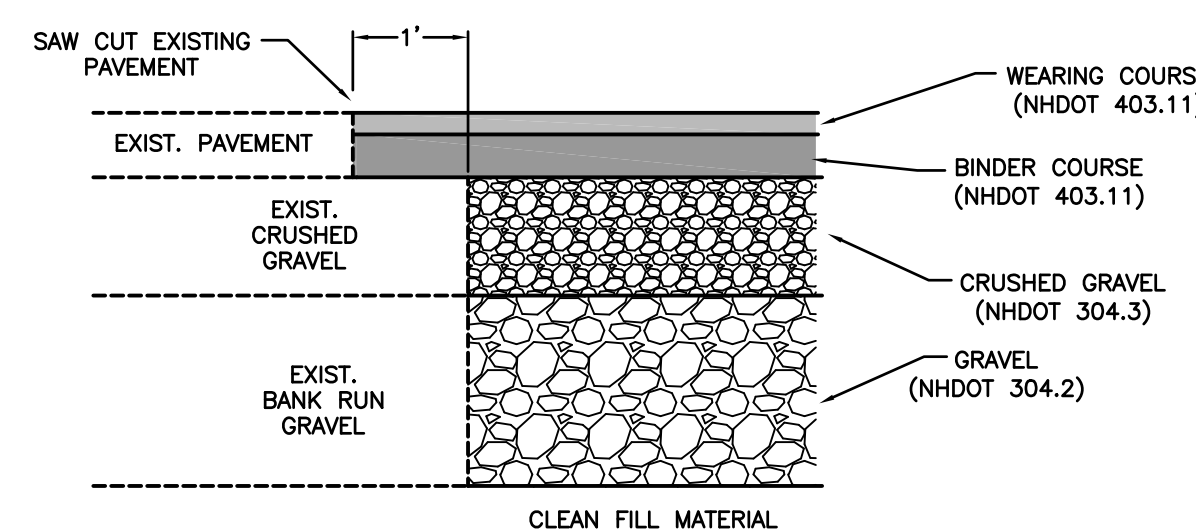


STANDARD PAVEMENT CROSS-SECTIONS
NOT TO SCALE

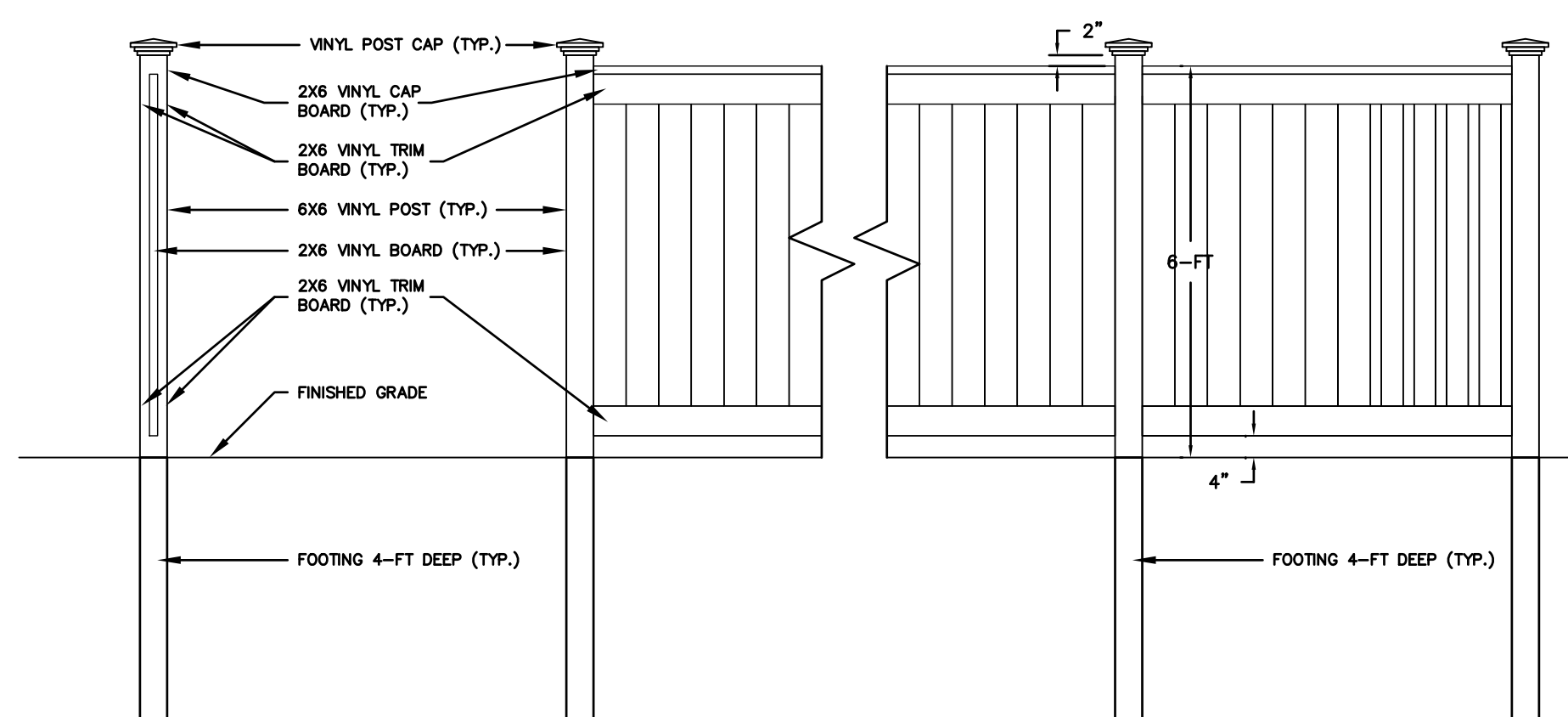


HEAVY DUTY PAVEMENT CROSS-SECTIONS
NOT TO SCALE

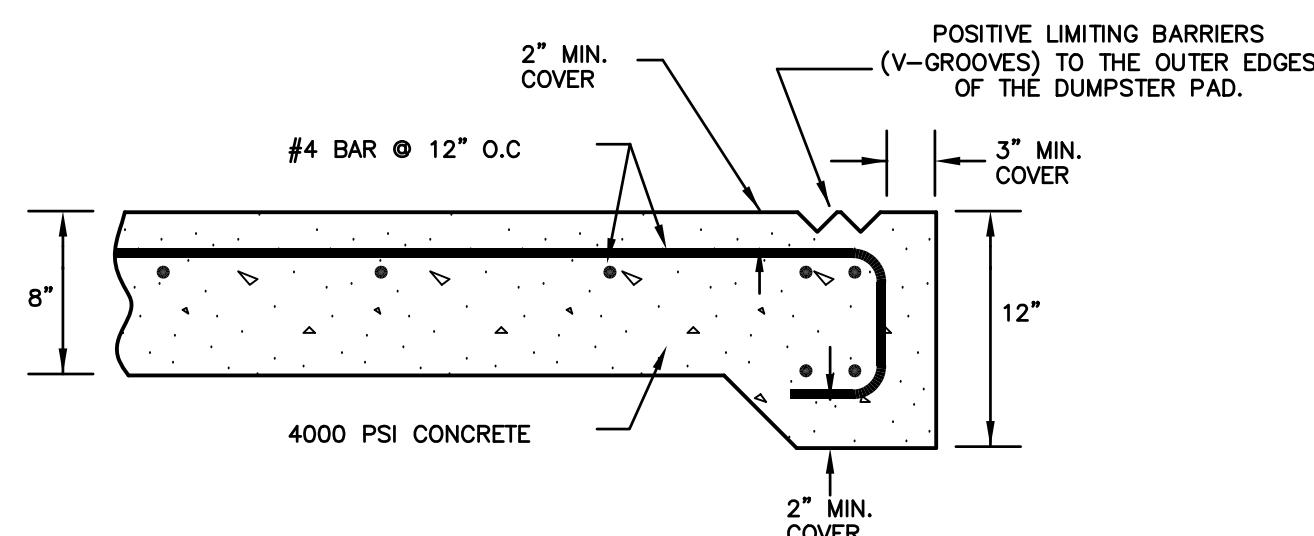
- PAVEMENT NOTES:**
1. PLACE COMMON FILL IN 12 INCH LIFTS. COMPACT COMMON FILL TO 95% MAXIMUM PROCTOR DENSITY.
 2. PLACE GRAVEL IN MAXIMUM 8 INCH LIFTS. COMPACT TO 95% MAXIMUM PROCTOR DENSITY.
 3. PLACE CRUSHED GRAVEL IN MAXIMUM 8 INCH LIFTS. COMPACT TO 95% MAXIMUM PROCTOR DENSITY.
 4. PAVEMENT MUST BE INSTALLED IN TWO COURSES, A BINDER COURSE AND A WEARING COURSE.



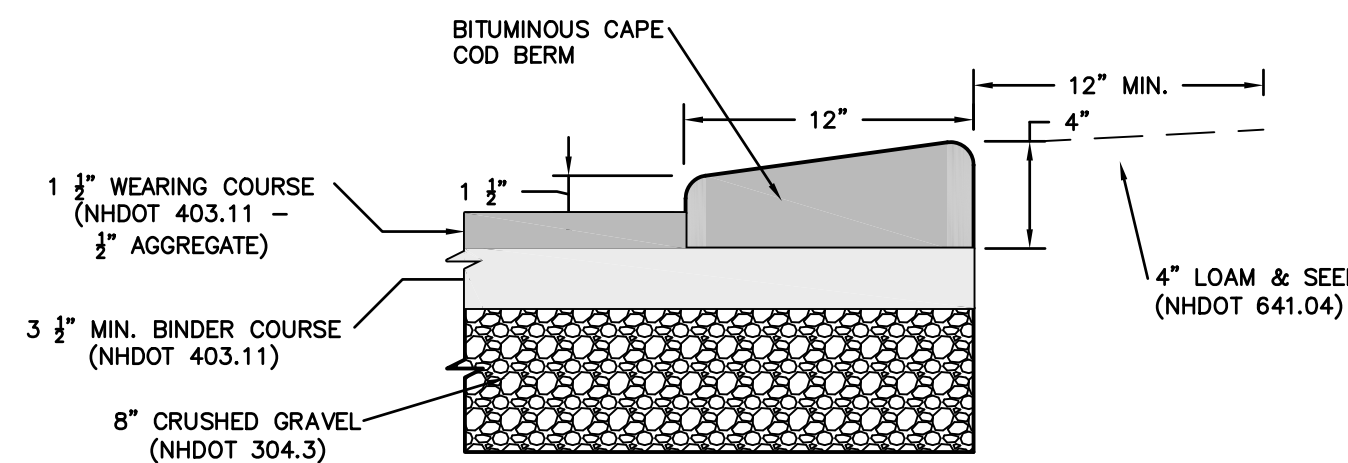
TYPICAL PAVEMENT MATCHING DETAIL
NOT TO SCALE



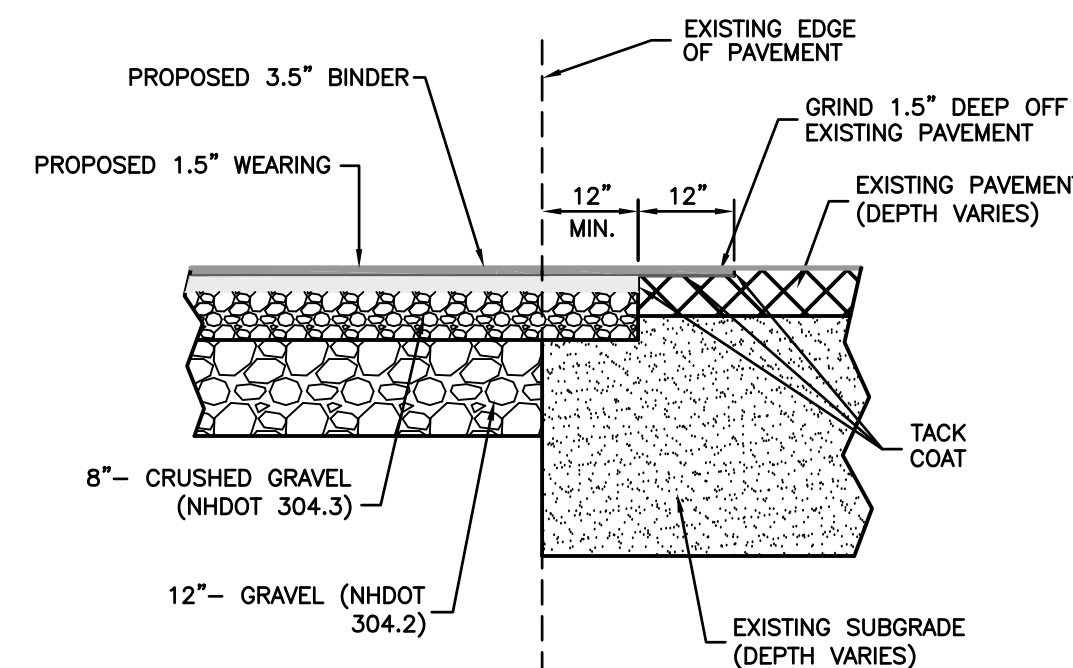
TYPICAL SOLID VINYL FENCE DUMPSTER ENCLOSURE
SCALE: 1/2"=1'



DUMPSTER PAD DETAIL
NOT TO SCALE



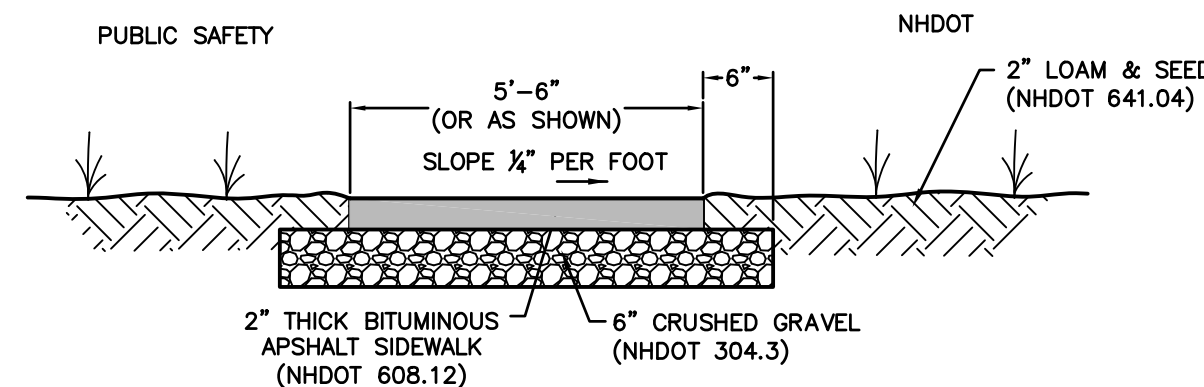
BITUMINOUS CAPE COD BERM DETAIL
NOT TO SCALE



TYPICAL PAVEMENT SAWCUT DETAIL

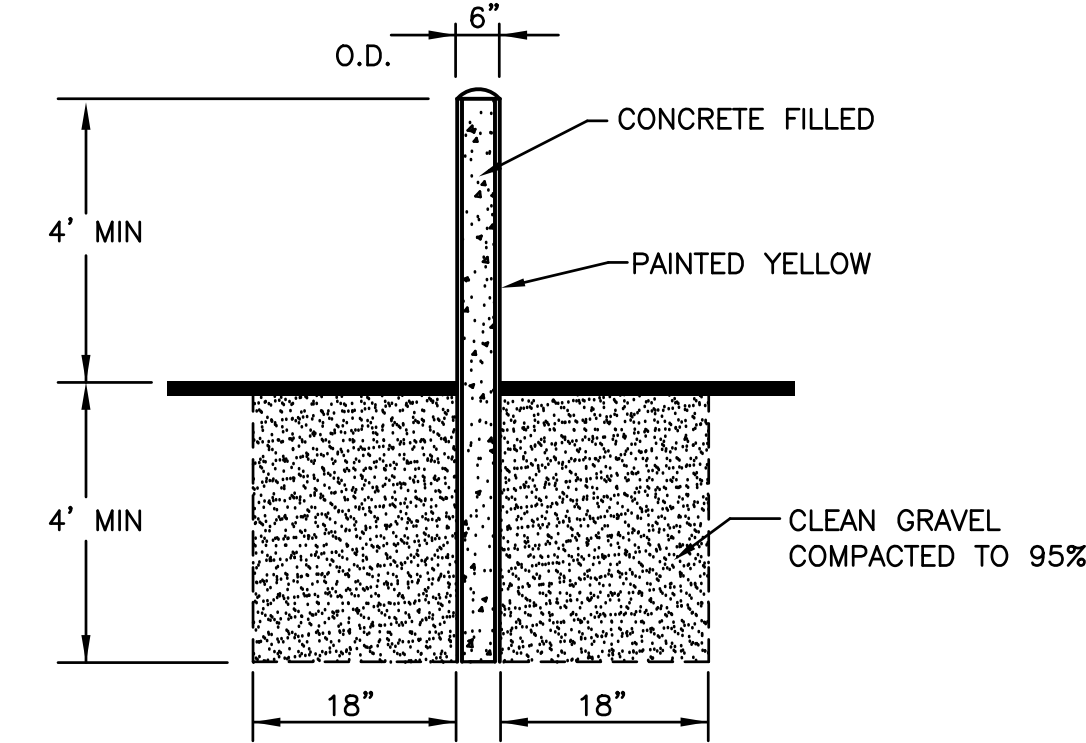
PAVEMENT SAWCUT NOTES:

1. SAWCUT THROUGH DEPTH OF PAVEMENT AT LEAST 1 FT. FROM EDGE OR GREATER IF REQUIRED.
2. INSTALL AND COMPACT CRUSHED GRAVEL TO GRADE.
3. PLACE BINDER COURSE.
4. GRIND OR SAWCUT EXISTING PAVEMENT 1 FT. WIDE TO A DEPTH NECESSARY TO PROPERLY MATCH NEW WEARING COURSE PAVEMENT.
5. TACK COAT ALL EXISTING PAVEMENT SURFACES WITH EMULSIFIED ASPHALT (MS-1) PRIOR TO PLACING NEW PAVEMENT.



PAVED SIDEWALK DETAIL
NOT TO SCALE

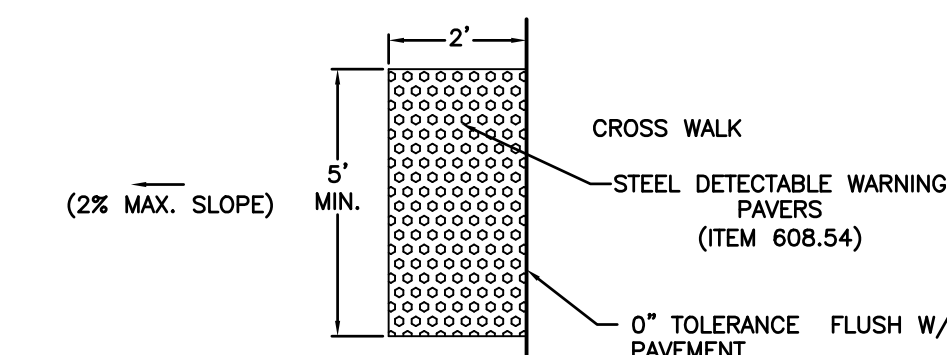
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STEEL BOLLARD DETAIL
NOT TO SCALE

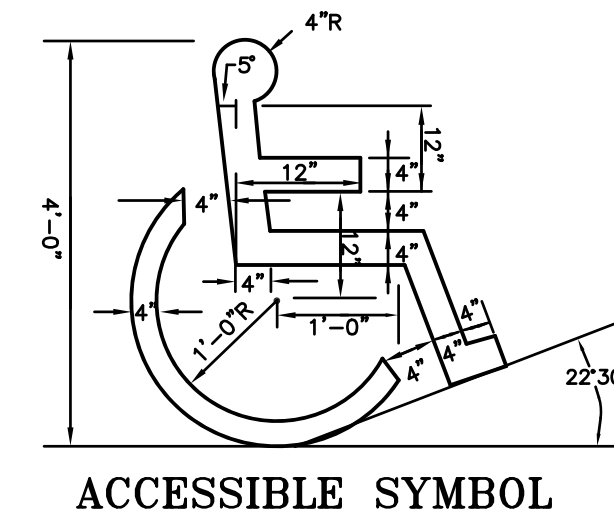
- NOTES:**
1. PAVEMENT EDGES SHALL BE DEFINED BY A STRAIGHT EDGE FORMED BY A MACHINED SAW CUT.
 2. TRENCH SUBGRADE MATERIAL SHALL BE BACKFILLED WITH GRANULAR FILL AND COMPACTED TO 95% OF ITS DRY DENSITY.
 3. TOP 18" OF BACKFILL SHALL BE 6" OF COMPACTED 3/4" CRUSHED GRAVEL (NHDOT 304.3) SUPPORTED BY 12" OF COMPACTED GRAVEL (NHDOT 304.2).
 4. ALL VERTICAL AND HORIZONTAL JOINTS BETWEEN PAVEMENTS SHALL BE TACK COATED.
 5. PAVEMENT THICKNESS SHALL MATCH EXISTING BUT IN NO CASE SHALL BE LESS THAN 3" THICK TOTAL.
- PAVEMENT SHALL BE PLACED IN TWO PLACES:
- 6.1 THE FIRST PHASE SHALL CONSIST OF CUTTING BACK THE FULL DEPTH OF PAVEMENT 12" BEYOND THE EDGES OF THE DISTURBED TRENCH AND PAVING A BINDER COURSE THE FULL DEPTH OF THE PAVEMENT AS TO BRING THE PATCH FLUSH WITH THE EXISTING ROAD SURFACE.
 - 6.2 THE SECOND PHASE SHALL BE CONDUCTED THE FOLLOWING YEAR AND SHALL CONSIST OF MILLING OVER THE EDGES OF THE PREVIOUS PATCH BY A MINIMUM OF 18" IN ALL DIRECTIONS TO A DEPTH OF 1.5". WEARING COURSE PAVEMENT SHALL BE USED TO CREATE A SMOOTH SURFACE WITH THE ROADWAY OVER THE EXTENTS OF THE MILLED AREA.
 7. ANY TRENCH PATCH REQUIRES PRE-APPROVAL BY DPW AND IS SUBJECT TO INSPECTION TO ENSURE COMPLIANCE WITH TOWN STANDARDS.

TRENCH PATCH PROFILE

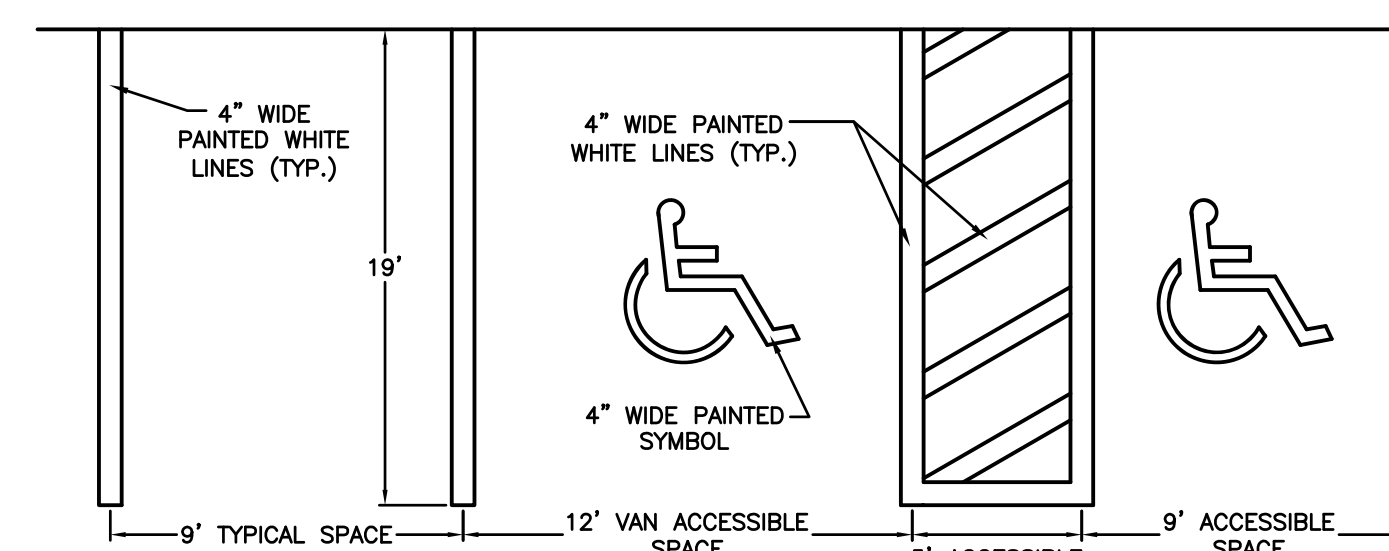


DETECTABLE WARNING PAVER DETAIL
NOT TO SCALE

- DETECTABLE WARNING PAVER NOTES:**
1. THE MAXIMUM CROSS OF WALKWAY SLOPE IS 2%. THE SLOPE OF THE LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
 2. TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
 3. DETECTABLE WARNING PAVERS (ITEM 608.54) SHALL BE USED ON RAMP AS SHOWN. EACH TACTICAL WARNING STRIP PANEL SHALL A TRUNCATED DOMED SURFACE AT LEAST 2'-0" IN WIDTH, MEASURED FROM THE BACK OF THE CURB TIP DOWN, AND 5'-0" IN LENGTH MEASURED PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
 4. ALL DETECTABLE WARNING PAVERS SHALL BE CAST IN PLACE ARMOR-TILE TACTILE SYSTEM, YELLOW IN COLOR, OR APPROVED EQUAL.



ACCESSIBLE SYMBOL



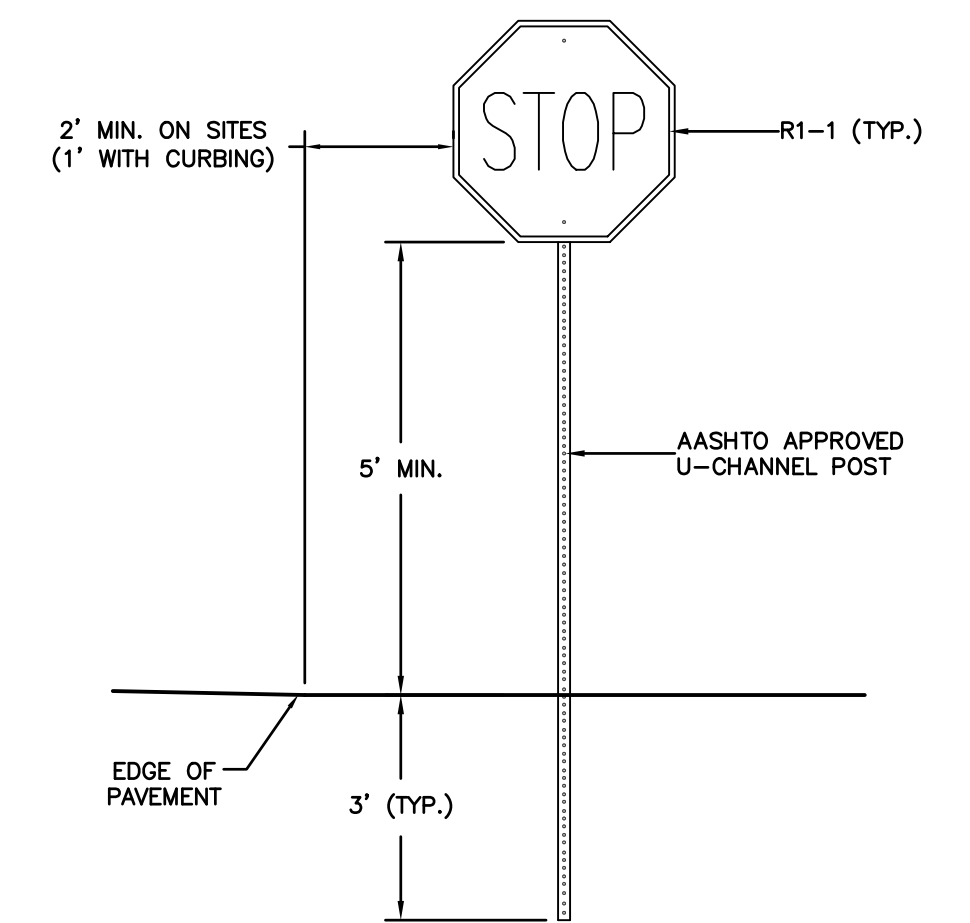
- NOTE:**
1. HANDICAP GRAPHIC SYMBOL (PAINTED WHITE) TO BE CENTERED IN SPACE. SYMBOL TO BE PAINTED ON ASPHALT AS PER DETAIL.

STALL STRIPING DETAIL
NOT TO SCALE

ITEM NO.	SIGN SIZE		TEXT	NO. SIGNS REQ'D
	HEIGHT	WIDTH		
R1-1	30"	30"	STOP	1
R7-8a	18"	12"	RESERVED PARKING	9
R7-8b	6"	12"	VAN ACCESSIBLE	3
	18"	12"	VISITOR PARKING ONLY	12
R6-1	12"	36"	ONE WAY	1
R5-1	30"	30"	DO NOT ENTER	8
W11A-2	30"	30"	PEDESTRIAN	2

- NOTES:**
1. ALL SIGNS SHALL BE PER "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

SIGN SCHEDULE
NOT TO SCALE

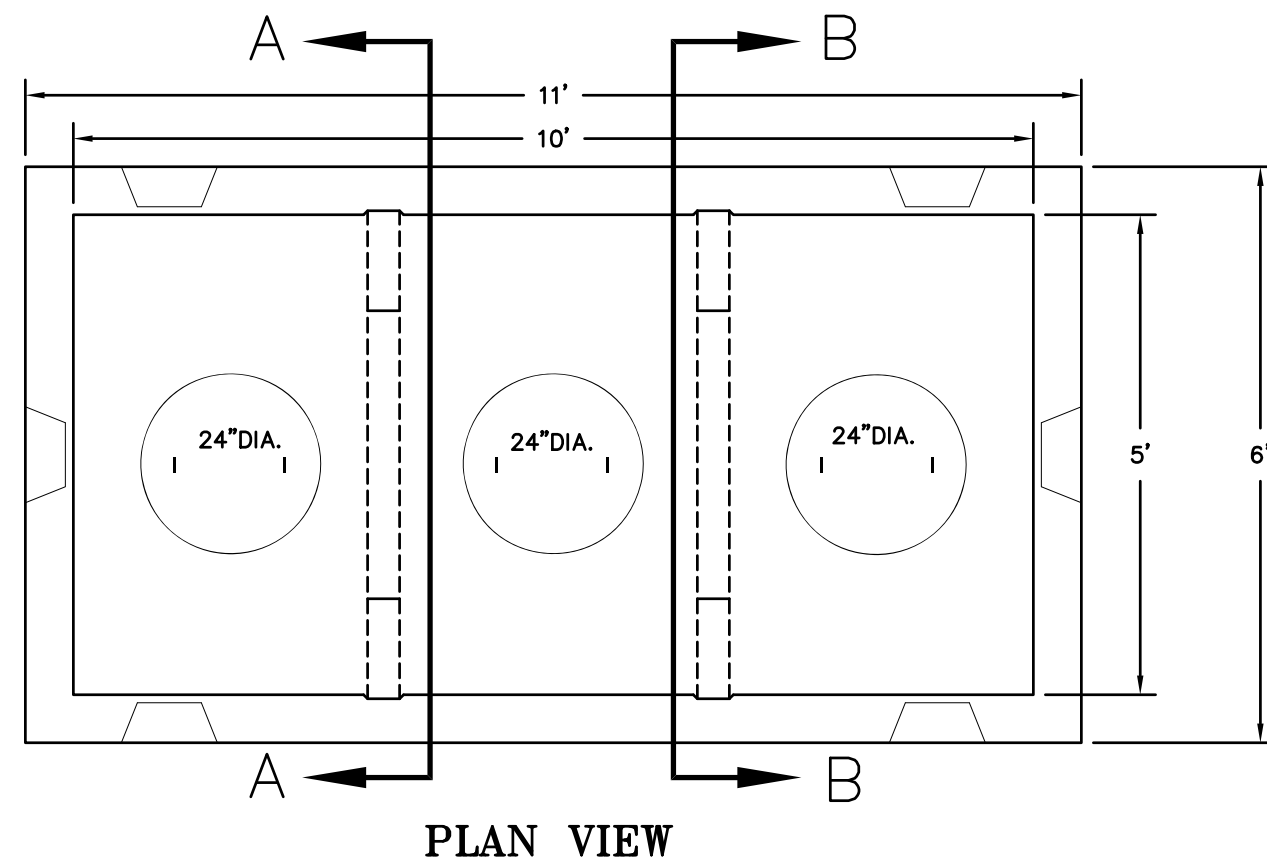


- NOTES:**
1. SIGN POST SHALL BE AASHTO APPROVED U-CHANNEL OR OTHER PER AASHTO "SPECIFICATIONS FOR STRUCTURAL SUPPORT OF HIGHWAY SIGNS, LUMINARIES AND SIGNALS", LATEST EDITION.
 2. SIGNS SHALL BE MOUNTED 5 FT FROM GROUND TO BOTTOM EDGE WHERE PARKING AND PARKING LOT MOVEMENTS TAKE PLACE.
 3. SIGNS SHALL BE PLACED SO THAT NEAREST EDGE IS 2 FT. FROM EDGE OF PAVEMENT UNLESS CURBED.

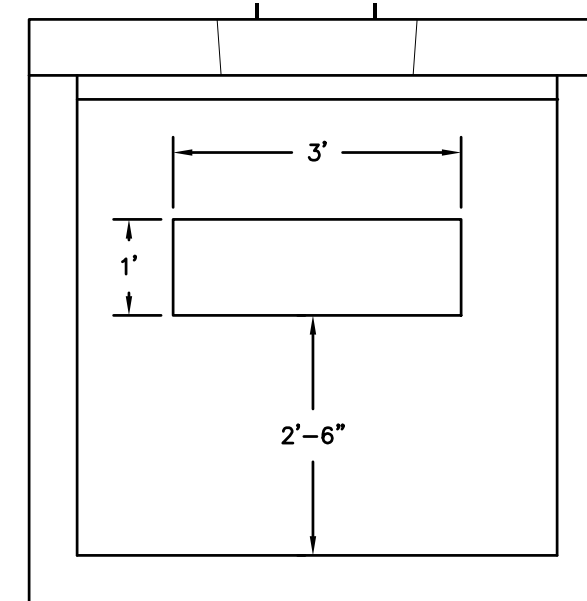
TYPICAL TRAFFIC SIGN
NOT TO SCALE

PARKING AND SIDEWALK DETAILS
TAX MAP 231, LOT 57
251 SOUTH MAIN STREET
CARROLL COUNTY
WOLFEBORO, N.H.
PREPARED FOR:
TOWN OF WOLFEBORO
MAY 31, 2023

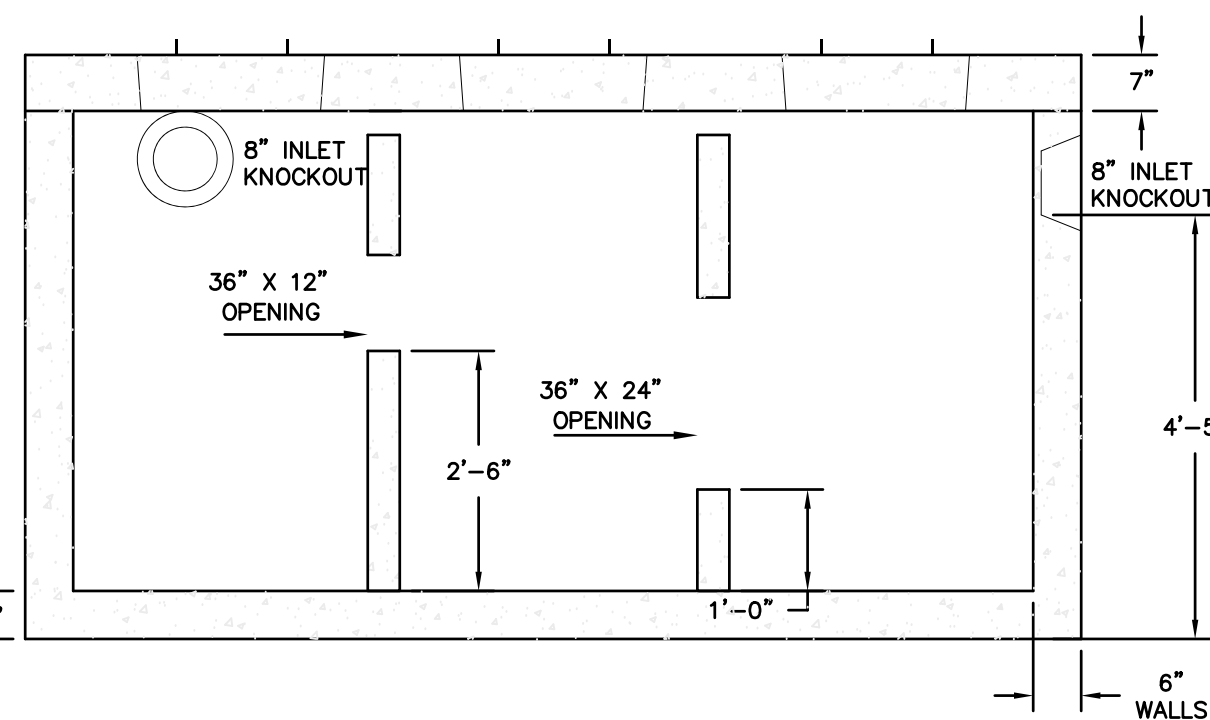
FILE NO. 382
PLAN NO. C-xxx
DWG. NO. 22364 SP-1
F.B. NO.



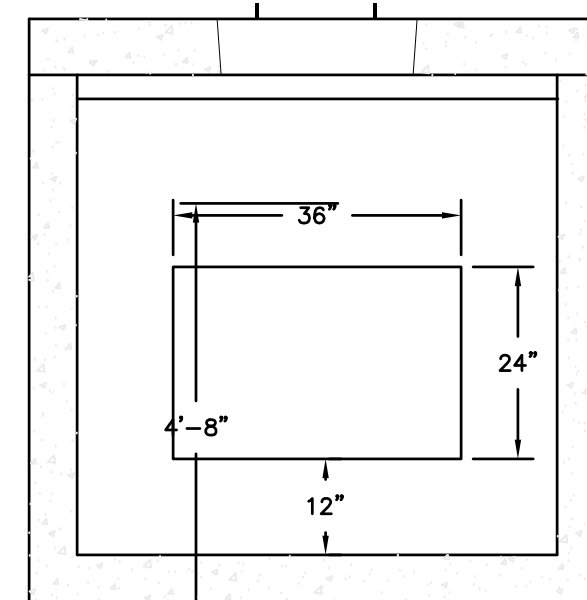
PLAN VIEW



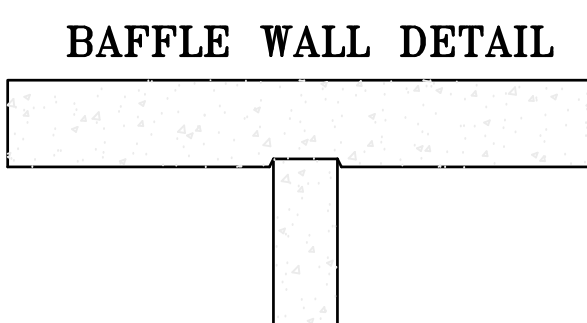
SECTION A-A VIEW



SECTION SIDE VIEW



SECTION B-B VIEW

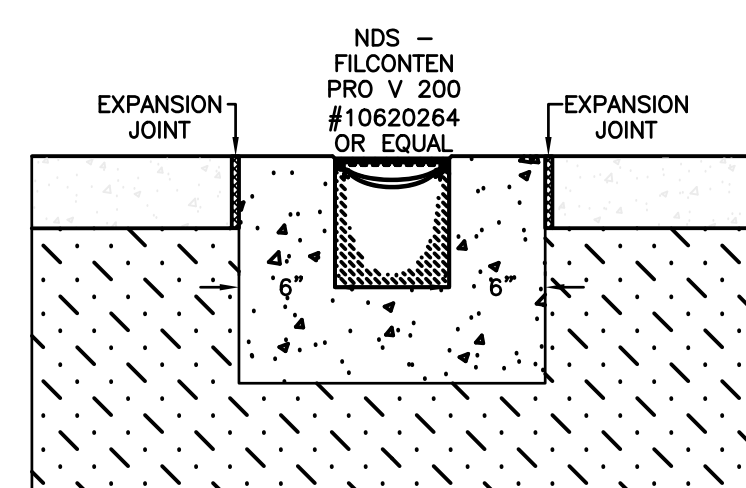


BAFFLE WALL DETAIL

- NOTES:
1. CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
 2. DESIGNED FOR AASHTO HS-20 LOADING, 1 TO 5 FT COVER ALSO AVAILABLE IN H-10 LOADING WITH 3" WALL.
 3. TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.

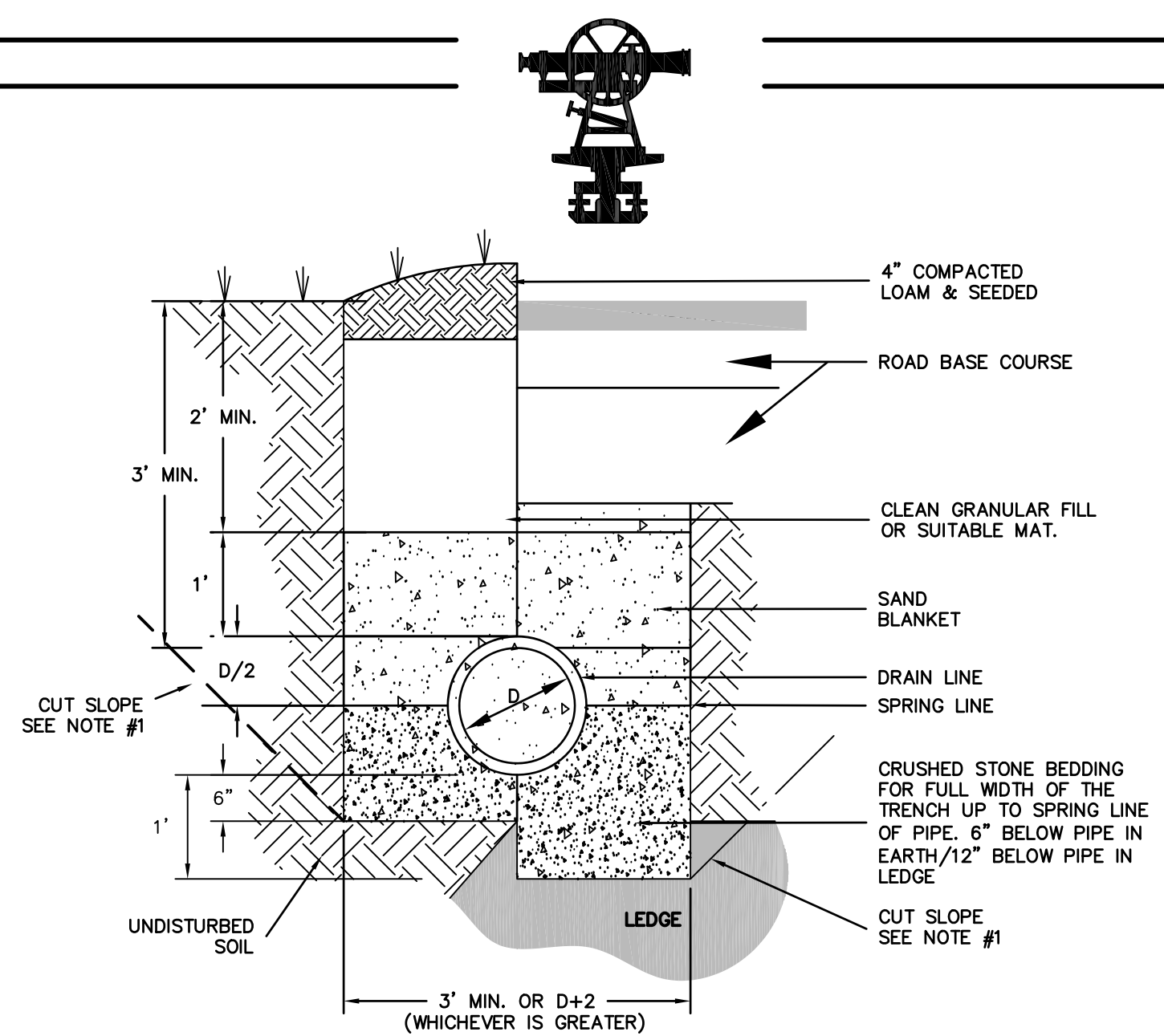
OIL/GRIT SEPARATOR DETAIL

NOT TO SCALE



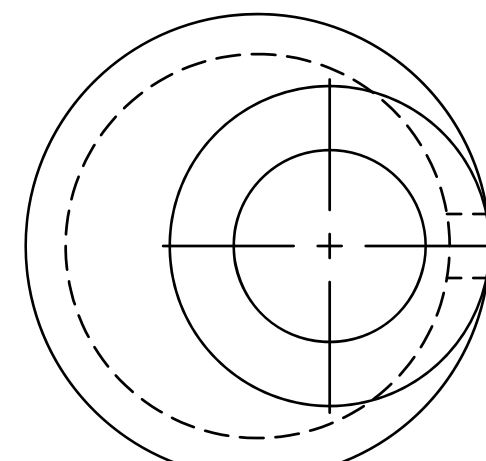
TRENCH DETAIL

NOT TO SCALE



- NOTES:
1. PIPES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4-FT. INSTALLATIONS DEEPER THAN 4-FT REQUIRE THE USE OF A TRENCH BOX.
 2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN PLAN.
 3. SAND BLANKET MAY BE OMITTED FOR REINFORCED CONCRETE PIPE.

DRAINAGE PIPE TRENCH INSTALLATION DETAIL



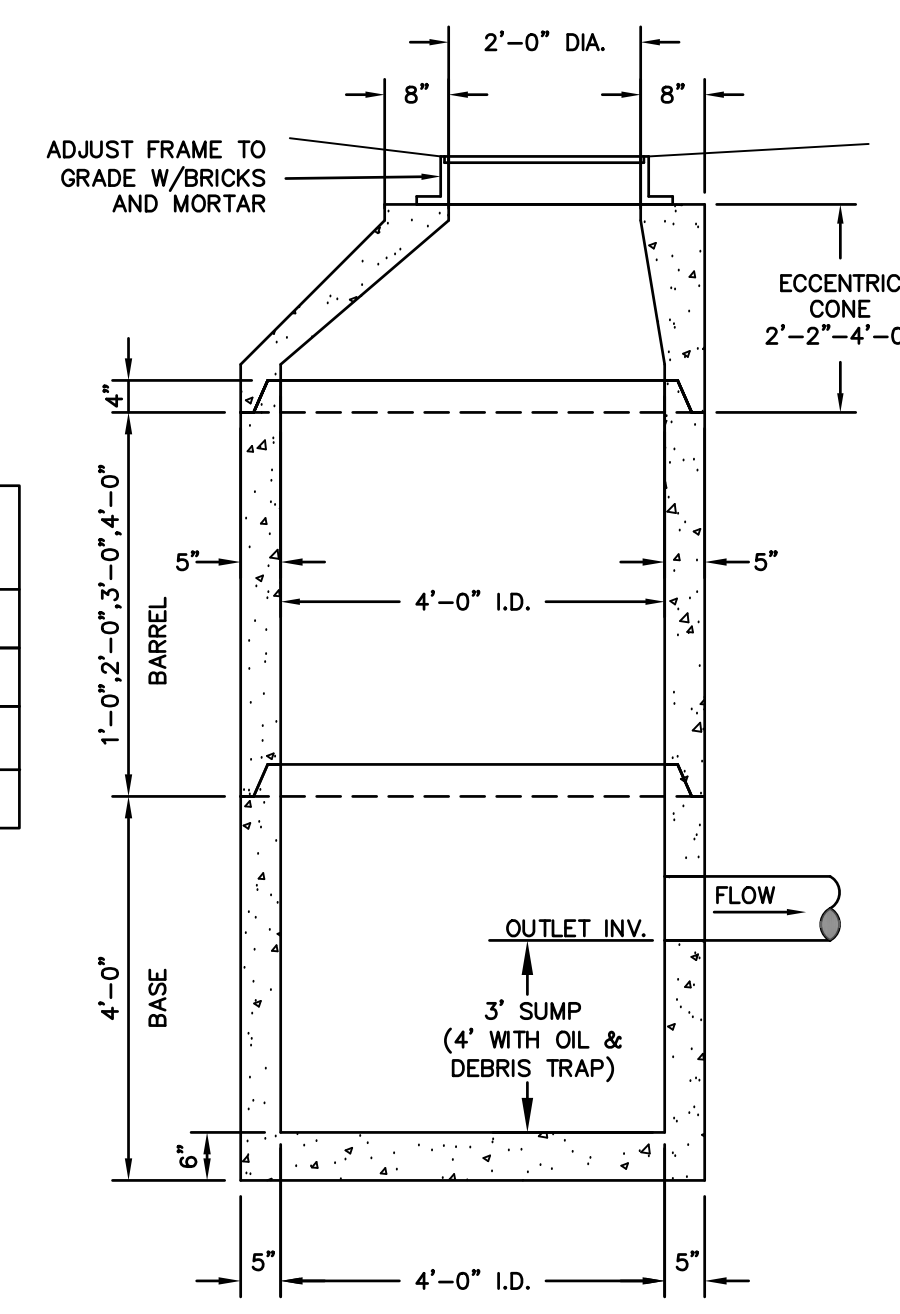
PLAN VIEW

DRAIN LINE DIAMETER	SUM OF DRAIN LINE DIAMETER	CATCH BASIN DIAMETER
15" TO 18"	LESS THAN 54"	4'
21" TO 27"	LESS THAN 72"	5'
30" TO 33"	LESS THAN 90"	6'
36" & LARGER	GREATER THAN 90"	REFER TO THE STANDARD

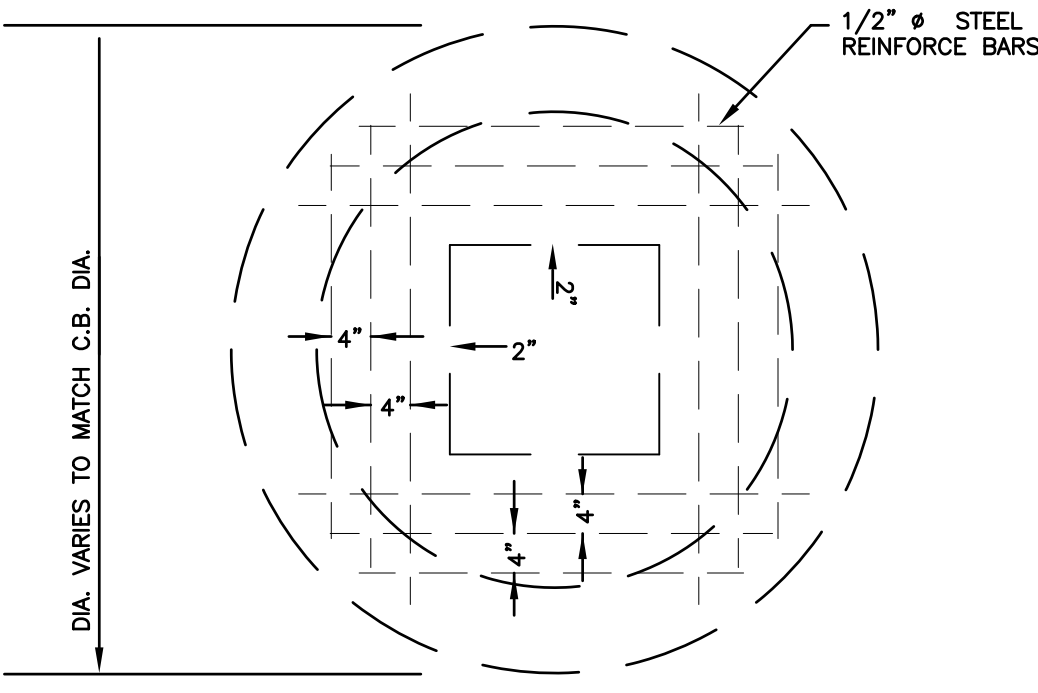
- NOTES:
1. CONCRETE: 4,000 PSI AFTER 28 DAYS.
 2. REINFORCING: SHALL BE PROVIDED FOR H-20 LOADING.
 3. SHIPLAP JOINTS SEALED WITH 1 STRIP OF BUTYL RUBBER SEALANT.
 4. PIPE OPENINGS CAST IN AS REQUIRED.
 5. RISER HEIGHT VARIES 1', 2', 3' OR 4' TO REACH DESIRED DEPTH.
 6. PIPE CONNECTIONS SHALL BE MORTARED.
 7. PRECAST SECTIONS SHALL CONFORM TO ASTM C-478.
 8. SEE SLAB TOP DETAIL FOR STRUCTURES REQUIRING SLAB TOPS, I.E. DOUBLE GRATE AND FRAME STRUCTURES.

PRE-CAST REINFORCED CATCH BASIN

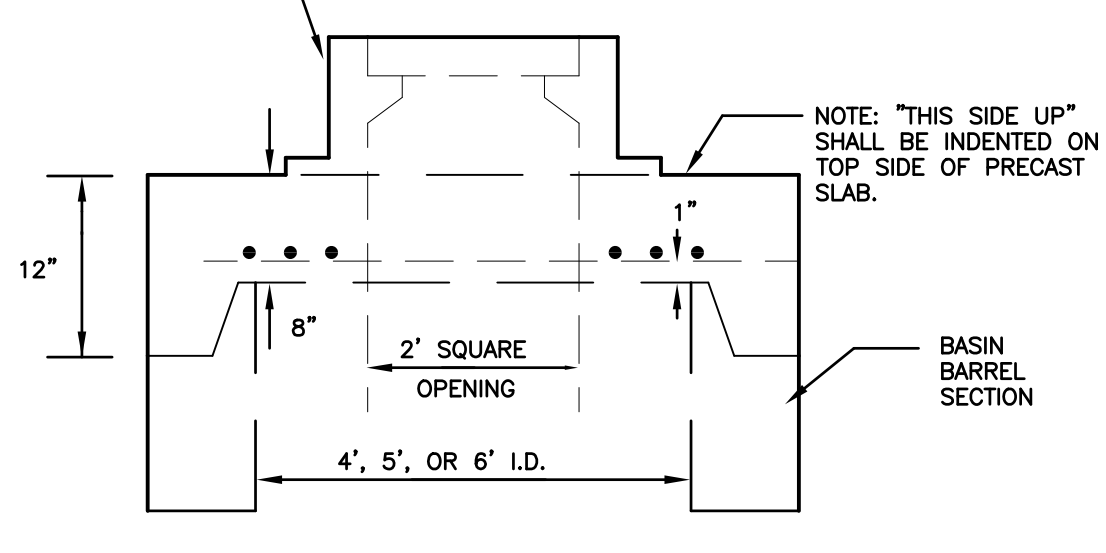
NOT TO SCALE



SECTION VIEW



PLAN



ELEVATION

- NOTE:
1. SLAB TO BE PLACED IN LIEU OF TAPERED SECTION WHERE PIPE WOULD OTHERWISE ENTER INTO TAPERED SECTION OF THE STRUCTURE AND WHERE PERMITTED.
 2. SLAB TOP MAY BE CASTED WITH MINIMUM OR NO INTERLOCKING CHANNEL. HOWEVER, THE CONTRACTOR MUST ENSURE THE SLAB TOP IS FIRMLY ATTACHED TO THE STRUCTURE.

REINFORCED CONCRETE SLAB COVER

NOT TO SCALE

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

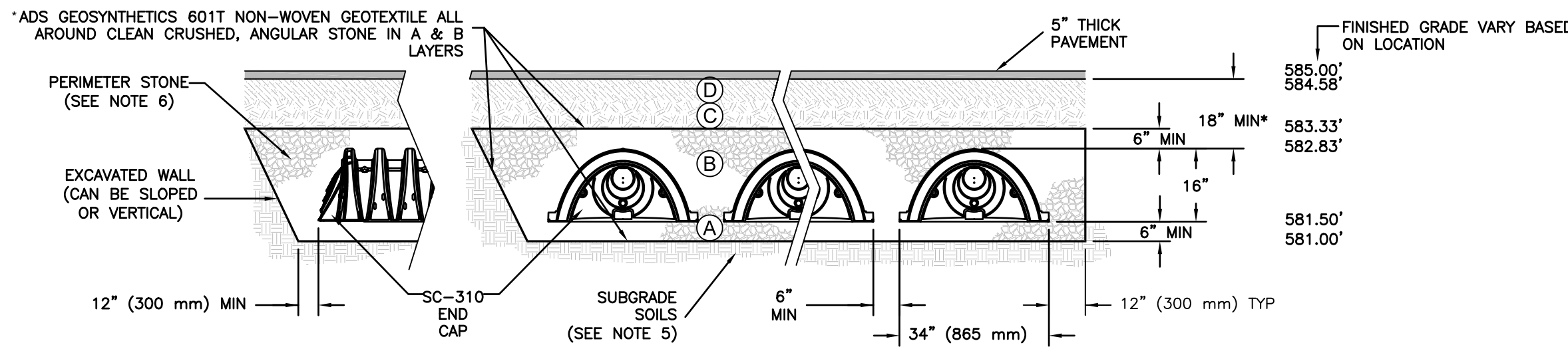
DRAINAGE DETAILS
 TAX MAP 231, LOT 57
 251 SOUTH MAIN STREET
 CARROLL COUNTY
 WOLFEBORO, N.H.
 PREPARED FOR:
TOWN OF WOLFEBORO

FILE NO. 382
 PLAN NO. C-xx
 DWG. NO. 22364 SP-1
 F.B. NO.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER	AASHTO M145 ¹ A-1, A-2, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ¹

PLEASE NOTE:
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



NOTES:

- SC-310 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- SEE SHEET C-3 FOR LOCATION OF STORMTECH LOCATION
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

SC-310 CROSS SECTION AND END SECTION

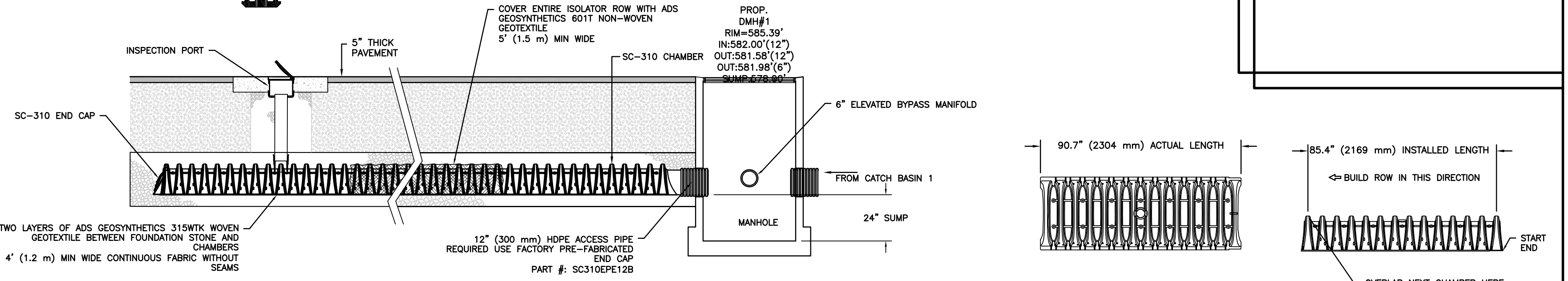
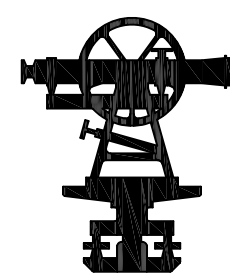
NOT TO SCALE

LAYOUT

(174) STORMTECH SC-310 CHAMBERS
 (22) STORMTECH SC-310 END CAPS
 INSTALLED WITH 6" COVER STONE, 6" BASE STONE, 40% STONE VOID
 INSTALLED SYSTEM VOLUME: 8299 CF
 AREA OF SYSTEM: 4758 FT²
 PERIMETER OF SYSTEM: 326 FT

PROPOSED ELEVATIONS

MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT): 585.00 (5" of asphalt) FINISH GRADE WILL VARY WITH LOCATION
 TOP OF STONE: 583.33 (12" gravel minimum)
 TOP OF CHAMBER: 582.83 (6" stone)
 6" TOP CONNECTION INVERT: 581.98
 12" BOTTOM / ISOLATOR ROW CONNECTION INVERT: 581.58
 BOTTOM OF CHAMBER: 581.50 (16" chamber)
 BOTTOM OF STONE: 581.00 (6" stone bed)



SC-310 ISOLATOR ROW DETAIL

NOT TO SCALE

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - ALL ISOLATOR ROWS
 - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE(S) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY(S) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS. ¹
- CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

SC-310 TECHNICAL SPECIFICATION

NOT TO SCALE

PART #	STUB	A	B	C
SC310EPE007 / SC310EPE007PC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310EPE008 / SC310EPE008PC	8" (200 mm)	11.9" (302 mm)	---	0.5" (13 mm)
SC310EPE009 / SC310EPE009PC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310EPE101 / SC310EPE101PC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	---
SC310EPE108 / SC310EPE108PC	12" (300 mm)	13.5" (343 mm)	---	0.7" (18 mm)
SC310ECEZ	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310ECEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

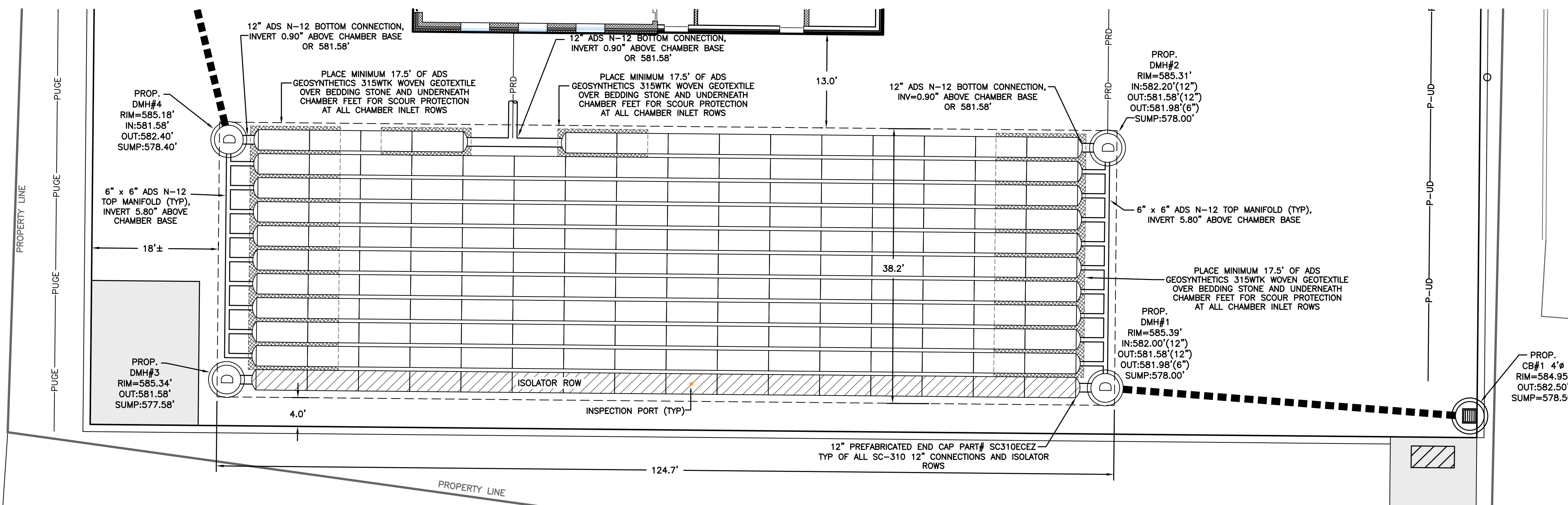
NOTE: ALL DIMENSIONS ARE NOMINAL

4" INSPECTION PORT DETAIL

NOT TO SCALE

CONNECTION DETAIL

NOT TO SCALE



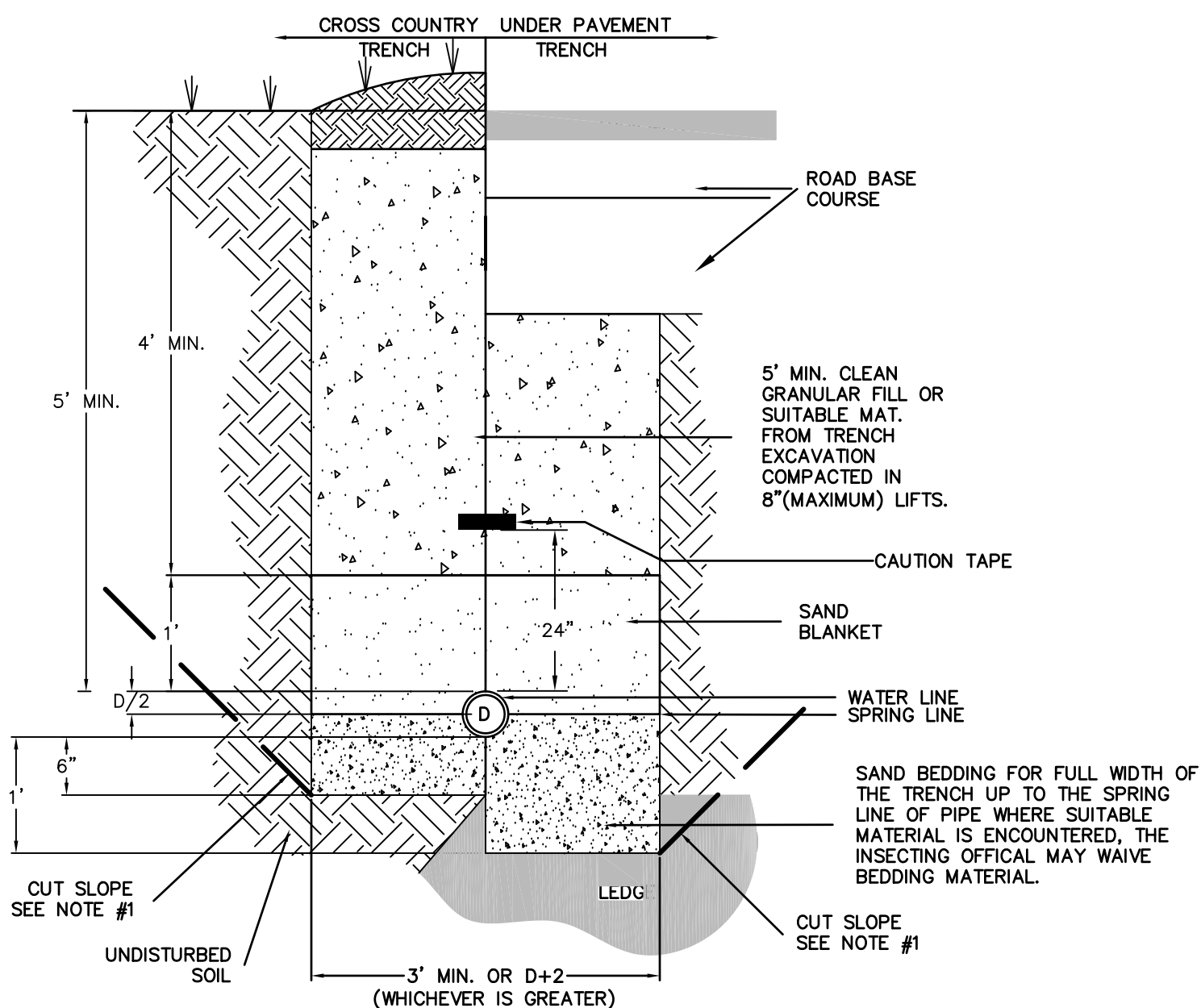
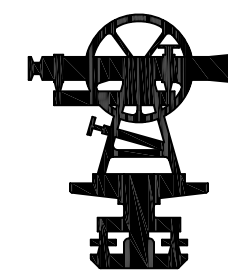
PLAN VIEW OF STORMTECH CHAMBERS

1" = 10'

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

FILE NO. 382
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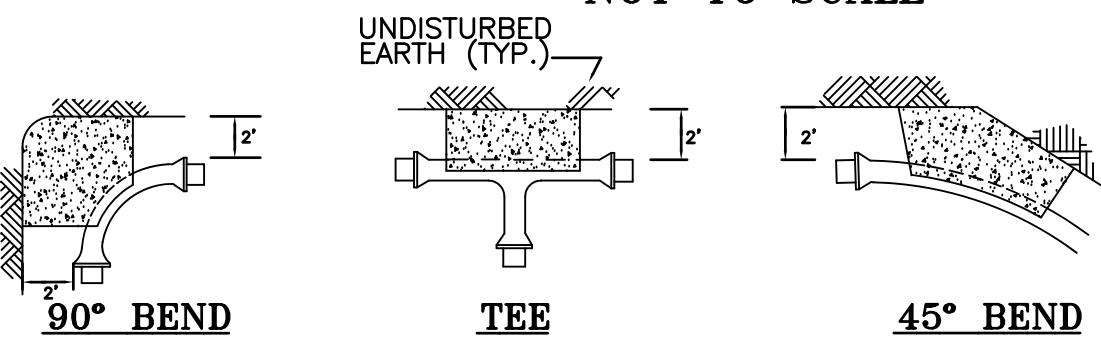
STORTECH DETAILS SC-310
 TAX MAP 231, LOT 57
 251 SOUTH MAIN STREET
 CARROLL COUNTY
 WOLFEBORO, N.H.
 PREPARED FOR:
 TOWN OF WOLFEBORO
 MAY 31, 2021



- NOTES:
 1. PIPES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4-FT. INSTALLATIONS DEEPER THAN 4-FT REQUIRE THE USE OF A TRENCH BOX.
 2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN PLAN.
 3. SAND BLANKET MAY BE OMITTED FOR REINFORCED CONCRETE PIPE.

WATER PIPE TRENCH INSTALLATION DETAIL

NOT TO SCALE



PIPE SIZE	90° BEND		TEE		45° BEND		22 1/2° SMALLER	
	MINIMUM THRUST	BLOCK BEARING AREA	AGAINST UNDISTURBED MATERIAL (SQ. FT.)	AGAINST UNDISTURBED MATERIAL (SQ. FT.)	AGAINST UNDISTURBED MATERIAL (SQ. FT.)	AGAINST UNDISTURBED MATERIAL (SQ. FT.)	AGAINST UNDISTURBED MATERIAL (SQ. FT.)	AGAINST UNDISTURBED MATERIAL (SQ. FT.)
6"	5	4	3	2	2	2	2	2
8"	10	8	6	6	6	3	3	3
12"	24	18	8	12	8	8	8	8

NOTE: SIZE OF THRUST BLOCKS MAY BE INCREASED BY THE ENGINEER TO MEET SOIL CONDITIONS FOUND DURING CONSTRUCTION.

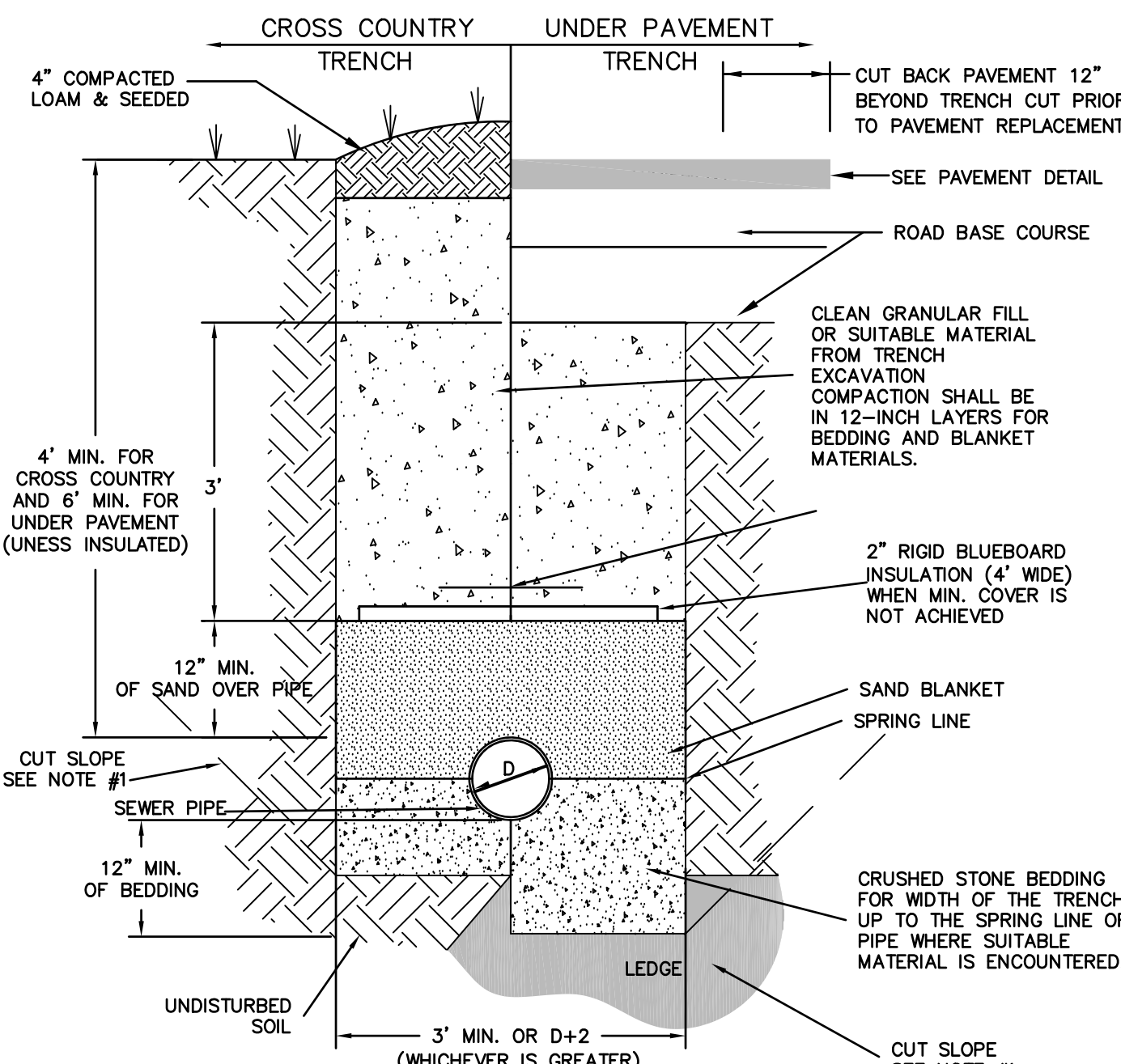
WATER MAIN THRUST BLOCK DETAILS
NOT TO SCALE

PIPE DIAMETER (INCHES)	DUCTILE IRON MECHANICAL RETRAINED LENGTH (FEET)																																							
	BENDS										DEAD END																													
	11 1/4'				22 1/2'				45'				90'				50 psi				100 psi				150 psi				200 psi											
2"	0	0	1	1	0	1	1	1	1	1	2	3	2	4	5	7	4	8	12	17	0	0	1	1	0	1	1	1	1	1	2	3	2	4	5	7	4	8	12	17
6"	0	0	1	1	1	1	2	2	1	2	3	4	3	5	8	10	6	12	18	23	0	0	1	1	1	1	2	2	1	2	3	4	3	5	8	10	6	12	18	23
8"	0	1	1	1	1	1	2	3	1	3	4	6	3	7	10	13	8	15	23	31	0	1	1	1	2	2	3	2	3	5	7	4	8	12	16	9	19	28	37	
10"	0	1	1	2	1	2	2	3	2	3	5	7	4	8	12	16	9	19	28	37	0	1	1	2	1	2	3	4	2	4	6	8	5	9	14	19	11	22	33	44
12"	0	1	1	2	1	2	3	4	2	4	6	8	5	9	14	19	11	22	33	44	0	1	1	2	1	2	3	4	2	4	6	8	5	9	14	19	11	22	33	44
	TEE*										REDUCER																													
	SAME SIZE					ONE SIZE SMALLER					ONE SIZE SMALLER					TWO SIZE SMALLER																								
	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi	50 psi	100 psi	150 psi	200 psi								
2"	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	5	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1								
6"	1	1	1	4	1	1	1	1	1	3	6	9	12	4	8	12	16	-	-	-	1	1	1	4	1	1	1	1	1	3	6	9	12	4	8	12	16	-	-	
8"	1	1	3	11	1	1	1	1	1	3	6	10	13	6	11	17	22	-	-	-	1	1	3	11	1	1	1	1	1	3	6	10	13	6	11	17	22	-	-	
10"	1	1	8	17	1	1	1	6	3	6	10	13	6	11	17	23	-	-	-	1	1	8	17	1	1	1	6	3	6	10	13	6	11	17	23	-	-			
12"	1	2	13	24	1	1	4	13	5	11	16	22	6	12	18	23	-	-	-	1	2	13	24	1	1	4	13	5	11	16	22	6	12	18	23	-	-			

* BASED ON A MINIMUM ATTACHED PIPE ALONG RUN (Lr) = 5 FEET

MECHANICAL RESTRAINED LENGTH SCHEDULE
NOT TO SCALE

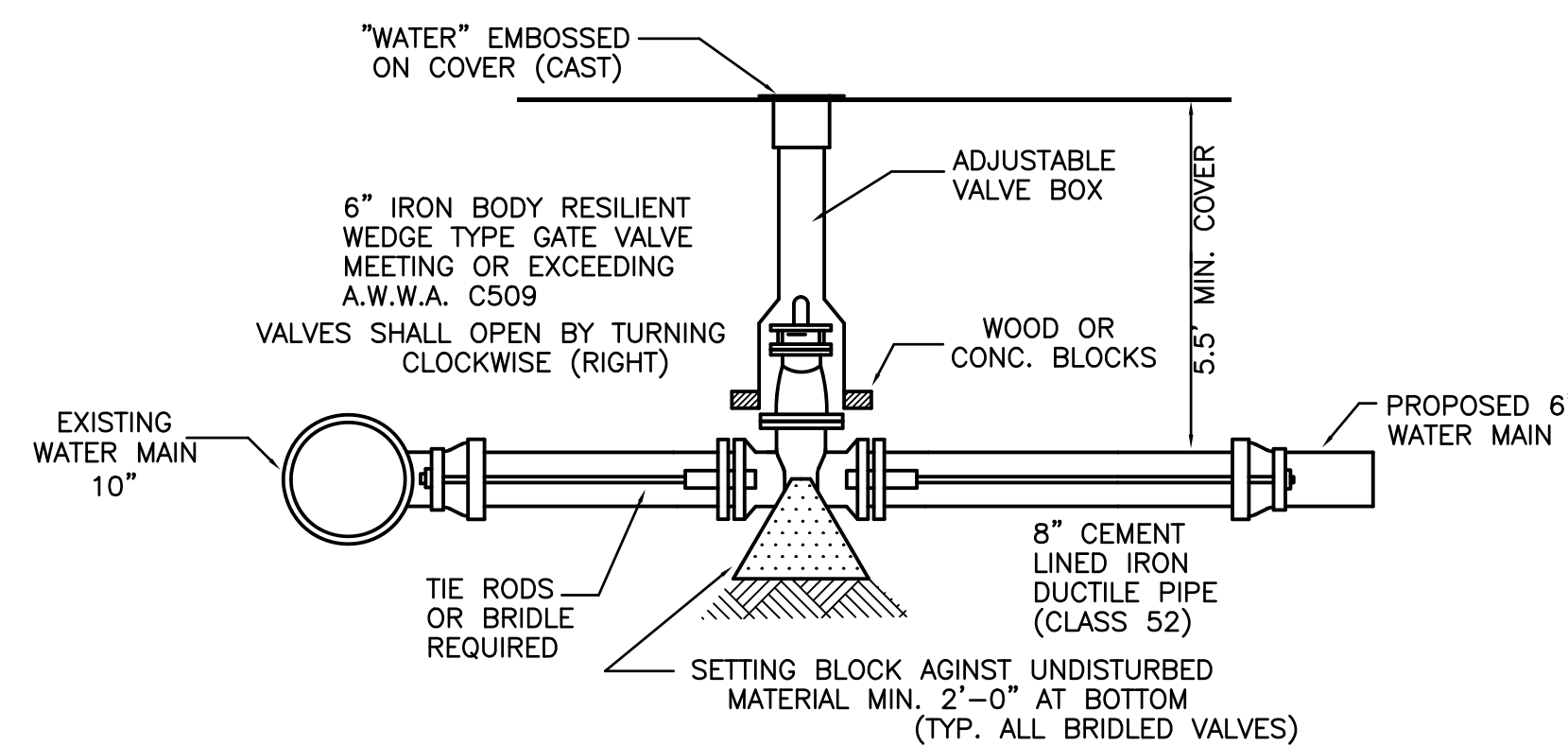
- NOTES:
 1. PIPE IS BURIED TO A DEPTH OF 6 FEET WITH A MINIMUM OF 4 INCHES OF COMPACTED GRANULAR MATERIAL UNDER THE PIPE TO THE SPRING LINE OF THE PIPE.
 2. THE EXISTING SOIL IS POORLY GRADED GRAVEL AND GRAVEL SAND MIXTURE WITH LITTLE TO NO FINES.
 3. ALL CALCULATIONS ARE BASED ON A FACTOR OF SAFETY OF 1.5 TO 1.
 4. ALL CALCULATIONS ARE BASED ON THE "RESTRAINED LENGTH CALCULATION PROGRAM" BY EBAA IRON, INC., RELEASE 3.1.



- NOTES:
 1. PIPES MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4-FT. INSTALLATIONS DEEPER THAN 4-FT REQUIRE THE USE OF A TRENCH BOX.
 2. PIPE MATERIALS SHALL BE AS SPECIFIED ON THE DESIGN PLAN.
 3. SAND BLANKET MAY BE OMITTED FOR REINFORCED CONCRETE PIPE.
 4. WHERE SHEETING IS PLACED ALONGSIDE THE PIPE AND EXTENDS BELOW MID-DIAMETER, THE SHEETING SHALL BE CUT OFF AND LEFT IN PLACE TO AN ELEVATION NOT LESS THAN ONE FOOT ABOVE THE TOP OF THE PIPE AND AT LEAST 3 FEET BELOW FINISHED GRADE.
 5. THE PIPE SAND BLANKET MATERIAL SHALL BE GRADED SAND FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT 100 PERCENT PASSES A 1/2-INCH SIEVE AND A MAXIMUM OF 15 PERCENT PASSES A #200 SIEVE.
 6. TRENCH BACKFILL MATERIAL IN ROADWAY LOCATIONS SHALL BE NATURAL MATERIALS EXCAVATED FROM THE TRENCH DURING CONSTRUCTION, EXCLUDING:
 (1) DEBRIS;
 (2) PIECES OF PAVEMENT;
 (3) ORGANIC MATTER;
 (4) TOP SOIL;
 (5) WET OR SOFT MUCK;
 (6) PEAT OR CLAY;
 (7) EXCAVATED LEDGE MATERIAL;
 (8) ROCKS OVER 6 INCHES IN THE LARGEST DIMENSION; AND
 (9) ANY MATERIAL NOT APPROVED BY THE ENGINEER.

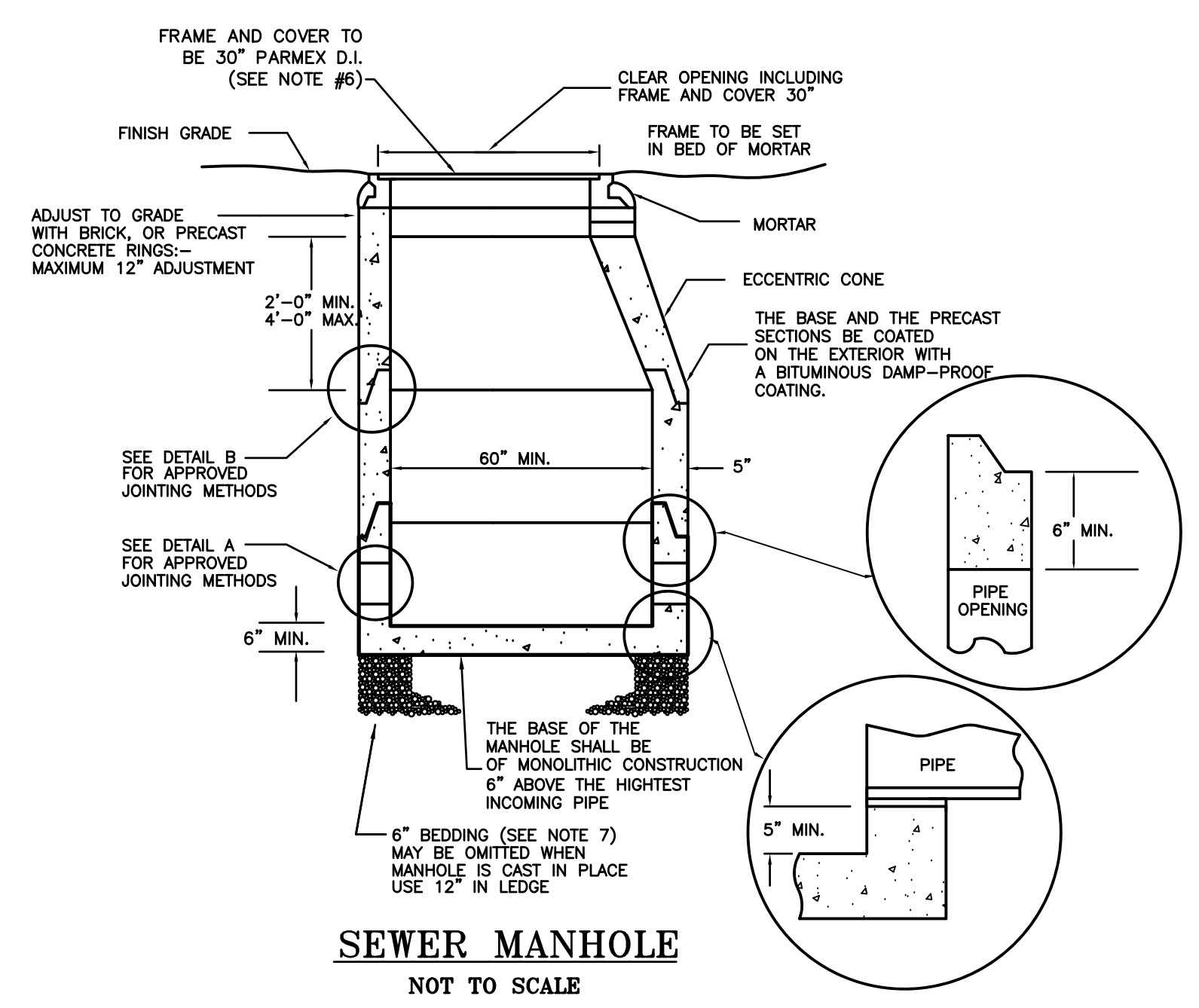
SEWER PIPE TRENCH INSTALLATION DETAIL
NOT TO SCALE

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.

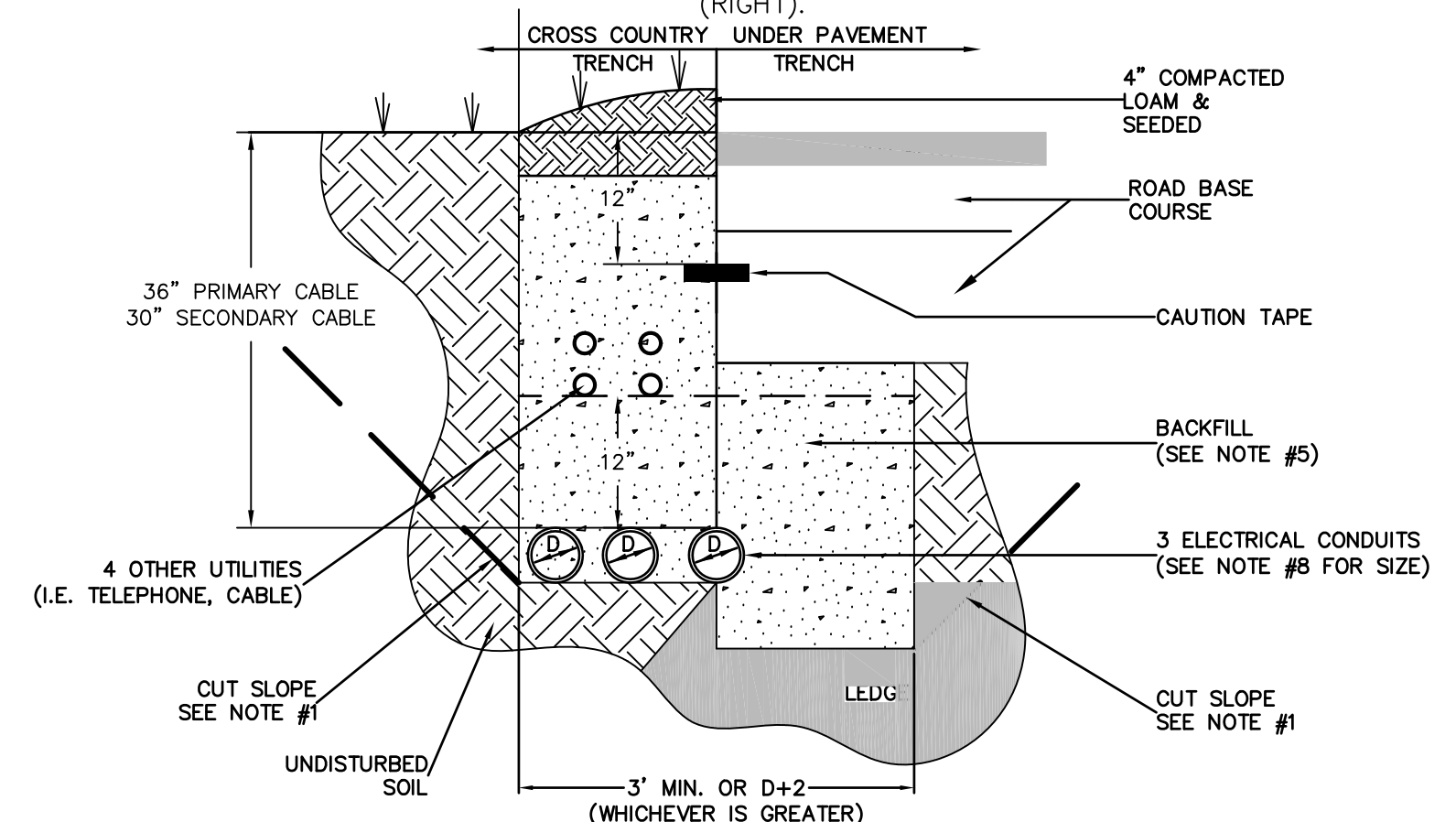


WATER MAIN CONNECTION
NOT TO SCALE

CAREFULLY REVIEW ALL SHEETS OF THIS PACKAGE TO INSURE PROPER CONSTRUCTION. SPECIFIC SITE CONDITIONS SHOULD BE EXPLORED PRIOR TO CONSTRUCTION. CONTACT BOTH THE DESIGN ENGINEER AND THE PROJECT OWNER FOR ANY AVAILABLE GEOTECHNICAL OR HYDROGEOLOGICAL INFORMATION AVAILABLE BUT NOT CONTAINED WITH IN THE PLAN SET. IF THERE ARE ANY QUESTIONS WITH THE DESIGN PRESENTED IN THIS PLAN SET PLEASE CONTACT THE ENGINEERING STAFF AT NORWAY PLAINS ASSOCIATES, INC. (603)-335-3948.



SEWER MANHOLE
NOT TO SCALE



- NOTES:
 1. ALL NON-METALLIC CONDUIT AND FITTINGS SHALL BE ELECTRICAL GRADE, SCHEDULE 40 PVC, AND SHALL CONFORM TO THE APPLICABLE SECTIONS OF NEMA TC2-1990 AND BE UL LISTED. ONLY GRAY-COLORED CONDUIT WILL BE ACCEPTED. ANY PVC CONDUIT NOT HAVING THE PROPER NEMA AND UL MARKINGS WILL NOT BE ACCEPTED. ALL STEEL CONDUITS SHALL CONFORM TO ASTM A120 AND BE RIGID GALVANIZED STEEL. ALL PVC JOINTS MUST BE CEMENTED. STEEL FITTINGS SHALL BE SEALED WITH COMPOUND.
 2. A 10-FOOT HORIZONTAL SECTION OF RIGID GALVANIZED STEEL CONDUIT WILL BE REQUIRED AT EACH SWEEP, UNLESS IN THE OPINION OF THE PSNH DESIGNER, THE SWEEP-PVC JOINT IS NOT SUBJECT TO FAILURE DURING CABLE PULLING.
 3. THE CONDUIT SHALL CROSS PAVED AREAS AT APPROXIMATELY 90 DEGREES.
 4. BACKFILL MAY BE MADE WITH EXCAVATED MATERIAL OR COMPARABLE, UNLESS MATERIAL IS DEEMED UNSUITABLE BY PSNH. BACKFILL SHALL BE THOROUGHLY COMPACTED IN 8-INCH LAYERS.
 5. A SUITABLE PULL STRING, CAPABLE OF 200 POUNDS OF PULL, MUST BE INSTALLED IN THE CONDUIT BEFORE PSNH IS NOTIFIED TO INSTALL CABLE. THE STRING SHOULD BE BLOWN INTO THE CONDUIT AFTER THE RUN IS ASSEMBLED TO AVOID BONDING THE STRING TO THE CONDUIT.
 6. ROUTING OF THE CONDUIT AND INSPECTION PRIOR TO BACKFILL WILL BE PROVIDED BY PSNH. INSTALLATION OF THE CONDUIT WILL BE DONE BY THE CONTRACTOR. THE PSNH SUPERVISOR MUST BE NOTIFIED 2 BUSINESS DAYS PRIOR TO BACKFILLING THE TRENCH. IN THE EVENT THAT A CABLE CANNOT BE SUCCESSFULLY PULLED THROUGH THE COMPLETED CONDUIT SYSTEM DUE TO A CONSTRUCTION ERROR, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND REPAIR THE INVOLVED CONDUIT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL RESULTING EXPENSES.
 7. NORMAL CONDUIT SIZES FOR PSNH ARE 3-INCH FOR SINGLE PHASE PRIMARY AND SECONDARY VOLTAGE CABLES, 4-INCH FOR THREE PHASE SECONDARY, AND 5-INCH FOR THREE PHASE PRIMARY.
 8. ALL CONDUIT INSTALLATIONS MUST CONFORM TO THE CURRENT EDITION OF THE NATIONAL ELECTRIC SAFETY CODE, STATE AND LOCAL CODES AND ORDINANCES, AND WHERE APPLICABLE THE NATIONAL ELECTRIC CODE.
 9. CONDUIT MAY BE INSTALLED BY EXCAVATING AN OPEN TRENCH WITH SIDE SLOPES OF 1:1 MAXIMUM TO A DEPTH OF 4-FT. INSTALLATIONS DEEPER THAN 4-FT REQUIRE THE USE OF A TRENCH BOX.

ELECTRICAL & UNDERGROUND UTILITY TRENCH INSTALLATION DETAIL
NOT TO SCALE

UTILITY DETAILS
 TAX MAP 231, LOT 57
 251 SOUTH MAIN STREET
 CARROLL COUNTY
 WOLFEBORO, N.H.
 PREPARED FOR:
 TOWN OF WOLFEBORO
 MAY 31, 2023

ABBREVIATIONS:

2x = 2" NOMINAL THICK LUMBER
AB = ANCHOR BOLT
AF = ABOVE FINISH FLOOR
ALT. = ALTERNATE
ALUM. = ALUMINUM
APPROX. = APPROXIMATE
ARCH. = ARCHITECTURAL
B/ B/O = BOTTOM OF ...
BCX = BOTTOM CHORD EXTENSION
BJ = BAR JOIST
BLDG. = BUILDING
BM. = BEAM
BOT. = BOTTOM
BP = BASE PLATE
BRG. = BEARING
BRP = BEARING PLATE
BS = BRICK SHELF
BTW = BETWEEN

CANT. = CANTILEVER
CFS = COLD FORMED STEEL
CIP = CAST IN PLACE
CJ = CONTROL JOINT
CL. = CENTERLINE
CLR. = CLEAR
CMU = CONCRETE MASONRY UNIT
COL. = COLUMN
CONC. = CONCRETE
CONST. = CONSTRUCTION
CONT. = CONTINUOUS
COORD. = COORDINATE
CTR. = CENTER

DBL = DOUBLE
Ø / DIA. = DIAMETER
DIM. = DIMENSION
DIST. = DISTANCE
DJ = DOUBLE JOIST
DK = DECK
DN. = DOWN
DWS. = DRAWINGS

EA. = EACH
EF = EACH FACE
EIBC = EXISTING INTERNATIONAL BLDG. CODE
EL. = ELEVATION
ELEC. = ELECTRICAL
ELEV. = ELEVATOR
EMBED. = EMBEDMENT
ENG. = ENGINEER
EOD = EDGE OF DECK
EOR = ENGINEER OF RECORD
EOS = EDGE OF SLAB
EQ. = EQUAL
ERV = ENERGY RECOVERY UNIT
EW = EACH WAY
E / EX / EXIST. = EXISTING
EXP. = EXPANSION
EXT. = EXTERIOR

FFE = FINISHED FLOOR ELEVATION
FIN. = FINISHED
FLR. = FLOOR
FNDN. = FOUNDATION
FT. = FEET
FTG. = FOOTING

GA. = GAUGE
GALV. = GALVANIZED
GC = GENERAL CONTRACTOR
GEOTECH. = GEOTECHNICAL

HD = HOLDOWN
HDG = HOT DIPPED GALVANIZED
HORIZ. = HORIZONTAL
HSS = HOLLOW STRUCTURAL SECTION

IBC = INTERNATIONAL BLDG. CODE
IF = INSIDE FACE
IN. = INCH
INT. = INTERIOR

JNT. = JOINT
JP = JOIST BEARING PLATE
JST. = JOIST

K = KIP

LB = POUND
LGM = LIGHT GAUGE METAL
LLH = LONG LEG HORIZONTAL
LLV = LONG LEG VERTICAL
LONG. = LONGITUDINAL
L.P. = LOW POINT
LP = LEVELING PLATE
LSL = LAMINATED STRAND LUMBER
LVL = LAMINATED VENEER LUMBER

MANUF. = MANUFACTURER
MAX. = MAXIMUM
MECH. = MECHANICAL
MEP = MECHANICAL, ELECTRICAL, PLUMBING
MIN. = MINIMUM
ML = MASONRY LINTEL
MO = MASONRY OPENING
MPH = MILES PER HOUR
MAS. / MSNRY. = MASONRY
MTL. = METAL

NIC = NOT IN CONTRACT/SCOPE
/ No. = NUMBER
NTS = NOT TO SCALE

OC / o.c. = ON CENTER
OF = OUTSIDE FACE
OPNG. = OPENING
OSB = ORIENTED STRAND BOARD

PAF = POWDER ACTUATED FASTENER
PC = PRECAST
PE = PROFESSIONAL ENGINEER
PEMB = PRE-ENGINEERED METAL BLDG.
PL. = PLATE
PLF = POUNDS PER LINEAR FOOT
PRE-ENG. = PRE-ENGINEERED
PSF = POUNDS PER SQUARE FOOT
PSI = POUNDS PER SQUARE INCH
PSL = PARALLEL STRAND LUMBER
PT = PRESSURE TREATED
PWD. = PLYWOOD

ABBREVIATIONS (con'd):

RAD. = RADIUS
REC. = RECOMMENDATION
REINF. = REINFORCING / REINFORCE(D)
REQD. = REQUIRED
REV. = REVISION
RF = ROOF
RO = ROUGH OPENING
RTU = ROOF TOP UNIT

SCHD. = SCHEDULE
SE = STRUCTURAL ENGINEER
SF = SQUARE FEET
SIM. = SIMILAR
SPEC. = SPECIFICATION
STD. = STANDARD
STIFF. = STIFFENER / STIFFEN(ED)
STL. = STEEL
STRUCT. = STRUCTURAL

TBD = TO BE DETERMINED
T/ T/O = TOP OF ...
TOX = TOP CHORD EXTENSION
THK. = THICK
TJ = TIE JOIST
T/O BS, TOBS = TOP OF BRICK SHELF
T/O STL, TOS = TOP OF STEEL
T/O WALL, TOW = TOP OF WALL
TRANS. = TRANSVERSE
TYP. = TYPICAL

U/S = UNDERSIDE
UNO = UNLESS NOTED OTHERWISE

VB / VR = VAPOR BARRIER / RETARDER
VERT. = VERTICAL
VIF = VERIFY IN FIELD

W/ = WITH
W/O = WITHOUT
WD. = WOOD
WL. = WALL
WK. PT. = WORK POINT
WS. = WATERSTOP
WWF / WWM = WELDED WIRE FABRIC / MESH

GENERAL:

- 1. Structural drawings shall be used in conjunction with the architectural, mechanical, electrical and shop drawings, and specifications.
2. Unless otherwise noted, sections, details, notes, materials, and methods shown on drawings are to be considered typical for all similar conditions.
3. In the event of a conflict between plans, specifications, and details, the Structural Engineer shall be notified immediately for clarification.
4. Existing structural drawings have not been provided, the existing conditions are unknown and will require field verification.
5. All dimensions, elevations, and conditions must be verified in the field by the Contractor.
6. The structure has been designed to be self-supporting and stable after the work shown on these drawings has been completed.
7. The Contractor shall provide and maintain shoring and bracing supports as required to preserve stability and prevent movement, settlement, or collapse of adjacent construction to remain.
8. All shoring and bracing shall be designed and certified by a professional engineer licensed in the jurisdiction of the project.
9. A complete concrete placement schedule shall be submitted to the Structural Engineer and a stamped acceptance received before any concrete placement can be made.
10. Shop drawings shall be submitted to the Structural Engineer (see each section for specific items and requirements).
11. Items noted on drawings as "by others" or "designated for design by others" indicates design and supply of structural items not by TFM.
12. Deferred submittals shall be submitted to the Structural Engineer for Geopier design (stamped), steel connection design (stamped), steel stair design (stamped), CFSF curtain wall design (stamped), and wood truss designs (stamped).
13. Mechanical equipment weights used in the design of supporting elements are indicated on the drawings.
14. Loads, openings, and structure relating to other non-structural disciplines are shown for bidding purposes only.
15. These plans were prepared under the supervision of a licensed professional engineer.
16. TFMoran Inc. assumes no liability as a result of any changes or non-conformance with these plans except upon the written approval of the Engineer of Record.
17. Reproduction of structural drawings for shop drawings is not permitted.
18. All work shall comply with the building codes referenced on these drawings.
19. Do not scale drawings. Contact the Architect or Structural Engineer for dimensions not specifically shown.

CODE:

- 1. 2018 International Building Code as amended, altered, or deleted by the provisions of the New Hampshire State Building Code.
2. 2018 International Existing Building Code as amended, altered, or deleted by the provisions of the New Hampshire State Building Code.

DESIGN LOADS:

- 1. FLOOR LIVE LOADS:
MINIMUM UNIFORM LIVE LOADS AND MINIMUM CONCENTRATED LIVE LOADS (Each floor area with Live Loads over 50 psf shall be clearly marked):

Table with columns: OCCUPANCY or USE, UNIFORM, CONCENTRATED. Rows include Office Buildings, Partitions, Stairs and Exits, Recreational Use, Roofs, Storage, Live load has been reduced on girders, columns, and footings in accordance with the building code.

- CONCENTRATED FLOOR LOADS:
If listed above, the concentrated load shall be used to determine the greatest load effect. Unless otherwise specified, the indicated concentration shall be assumed to be uniformly distributed over an area of 2 1/2 ft² and located to produce the maximum load effects.

- 2. ROOF SNOW LOAD:
Risk Category, Ground Snow Load, Pg, Allowed Reduction per ERDC/CRRLE TR-02-6: 0.01*(1000-600)*2, 1=8.4 psf
Snow Load Importance Factor, Is: 1.2
Snow Exposure Factor, Ce: 1.0
Thermal Factor, Ct: 1.1 (Garage and insulated roof)
Flat Roof Snow Load, Pf: 75.4 psf (Unheated Areas)
Drifting, sliding, and unbalanced snow loads: Per ASCE-7
Wind Surcharge Load(s), Pd: See plan(s)/diagram
Width of snow drift(s), w: See plan(s)/diagram

- 3. RAIN LOADS:
Rain Loads: Per ASCE-7

- 4. ROOF LIVE LOAD:
Roof live load: 20 psf MIN

- 5. DEAD LOAD:
Roof: Steel framed: 20 psf(non-ballasted)
Truss Top Chord / Bottom Chord: 10 psf (each)
Solar Array Allowance: 7 psf
Floor (Supported / Elevated): Design of composite floor framing members: 78 psf
Light / Wood framed: 12 psf
Gypcrete: 10 psf / inch

- 6. WIND DESIGN DATA:
Wind loads have been determined using ASCE-7 Direction Procedure for Buildings of all Heights
Risk Category: IV
Basic Design Wind Speed, V: 124 mph
Wind Exposure Category: D
Internal Pressure Coefficient: ±0.18
Components and Cladding Design Wind Pressure:

MONOSLOPE table with columns: Zone Per ASCE-7, MAX Positive (20 ft²), MAX Negative (20ft²). Rows 1-5.

GABLE table with columns: Zone Per ASCE-7, MAX Positive (20 ft²), MAX Negative (20ft²). Rows 1 & 2E, 2n, 2r & 3e, 3, 4, 5.

- 7. EARTHQUAKE DESIGN DATA:
Risk Category: IV
Seismic Importance Factor, Ie: 1.5
0.2s Mapped Spectral Response Acceleration, Ss: 0.339g
1.0s Mapped Spectral Response Acceleration, S1: 0.075g
0.2s Spectral Response Coefficient, Sds: 0.346g
1.0s Spectral Response Coefficient, Sd1: 0.126g
Site Class: D
Seismic Design Category: Steel Intermediate Moment Frames (IMF)
Analysis Procedure: Equivalent Lateral Force
Response Modification Factor, R: 4.5
Seismic Response Coefficient, Cs: 0.102
Deflection Amplification Factor, Cd: 4.0
Design Base Shear, V: 248.75 kips

- 8. Geotechnical Information:
See Foundation General Notes for additional information.

- 9. Flood Load:
The structure is not designed for flood hazard areas, nor to be submerged or subject to wave action.

- 10. Other Loads:
Guardrails: Top Rail Concentrated Load: 200 lbs
Top Rail Uniform Load: 50 pf
Elevator Hoist Beam: 6000 lbs

FOUNDATIONS:

- 1. Foundations have been designed to consist of continuous and spread footings bearing on inorganic, undisturbed natural soil or compacted structural fill having an allowable bearing pressure of 3000 pounds per square foot.
2. Refer to the geotechnical engineering report for excavation, backfill, and compaction of structural fill procedures for all foundations and slabs.
3. Refer to the geotechnical engineering report for structural fill requirements.
4. Unless otherwise noted, foundations shall be centered under supported members.
5. The bottom of perimeter and exterior foundations not on solid rock shall be at least 5'-0" below finished grade.
6. Keep foundation excavations free of water at all times.
7. Bottom of excavations shall be reviewed by the Geotechnical Engineer or Testing Agency prior to the placement of concrete.
8. Provide formwork for all footings, walls, and piers.
9. Place backfill simultaneously on both sides of foundation walls to the grades indicated.
10. Provide 3/4" maximum aggregate within 12" of slabs on grade.
11. The bottom three (3) inches of footing excavations shall be finished with smooth-edged bucket or by hand shovel.
12. Use lean concrete (fc = 1,500 psi) or structural fill for over-excavation of footings.
13. Refer to site, plumbing, mechanical, and electrical drawings for location of pipes and under slab conduit.
14. The G.C. shall identify all below grade utilities prior to commencing excavation activities.
15. Submittals to the Structural Engineer and Geotechnical Engineer are required for structural fill material.

TABLE OF CONTENTS table with columns: #, NAME. Lists items from S001 to S701 including General Structural Notes, Column Schedule, Foundation Details, Framing Plans, and Steel Framing Details.

PLAN SYMBOL LEGEND

Table with columns: Symbol, Description. Includes symbols for slab over-pour, stepped footing, control joint, step in slab, concrete masonry unit wall, shear wall holddown, floor/roof deck span direction, downward slope, shear wall mark, overbuild truss framing, steel intermediate moment frame, and structural elevation.



CONSULTANTS / DESIGN TEAM:
OWNER: TOWN OF WOLFEBORO
CONSTRUCTION MANAGER: CONNESTON CONSTRUCTION, INC.

CIVIL: TFMORAN, INC
STRUCTURAL: TFMORAN, INC

ARCHITECT: BANWELL ARCHITECTS, NH

MEP/FP: CHARLES P. BUCKLEY, P.E.

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT

PROGRESS SET NOT FOR CONSTRUCTION DESIGN IS INCOMPLETE 2023-05-31

REVISION table with columns: REVISION, DATE, COMMENTS.

KEY PLAN & NORTH ARROW:

PROJECT: WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN STREET, WOLFEBORO, NH

ISSUED: DESIGN DEVELOPMENT

DRAWING TITLE: GENERAL STRUCTURAL NOTES

PROJECT NO: 22-950 DATE: 5-31-2023

SHEET NUMBER:

S001

WOOD:

- 1. Work shall be in accordance with the applicable American Wood Council, ANSI / AF&PA, "National Design Specification for Wood Construction (NDS)" including "Design Values for Wood Construction", National Forest Products Association.
2. New wood for structural use shall have a moisture content as specified in the "National Design Specification for Wood Construction."
3. Wood construction shall conform to applicable IBC, Chapter and Section for "Conventional Light-frame Construction."

Table with 4 columns: Species / Material, Min. Design Values E (psi), Fb (psi), Fv (psi). Rows include Spruce-Pine Fir (SPF) No. 1/No. 2, Southern Pine (SP) No. 1, Laminated Veneer Lumber (LVL) 1.9E members, etc.

Table with 4 columns: Condition, Pressure Treatment, Min. Retention, AWPA Category. Rows include Interior Construction (Wood not exposed to weather), Above Ground, exterior construction, etc.

Treated Sheathing
Chromated Copper Arsenate (CCA), Alkaline Copper Quaternary (ACQ), Copper Azole (CA) and Micronized Copper Azole (MCA)
Field treat cut ends of P.T. wood with Copper Naphthenate preservative such as Copper-Greene.

- 14. Wood to steel and wood to wood bolted connectors shall be made with ASTM A307 bolts with flat washers. Bolt holes in wood shall be 1/32" larger than the bolt.
15. Shear wall holdown anchor bolts and threaded rods shall be ASTM F1554 Gr. 36 for diameters 3/4" or less and high-strength (HS) anchor bolts ASTM F1554 Gr. 55, Supplement 1 (weldable) for diameters larger than 3/4".
16. Anchor bolts for wood sill plates to concrete shall be min. ASTM A307 headed or hooked bolts of the diameters and dimensions detailed or noted on the drawings.

PRE-ENGINEERED WOOD TRUSSES:

- 1. All pre-engineered/prefabricated wood trusses shall conform to applicable ANSI/TPI-1, "National Design Standards for Metal Plate Connected Wood Truss Construction."
2. The manufacturer of the pre-engineered trusses shall be a Truss Plate Institute (TPI) certified plant. Proof of certification shall be submitted to the Engineer prior to fabrication of the wood trusses.
3. Trusses shall be designed for the following uniform loads with 5 1/2" or 3 1/2" max. bearing, coordinate truss bearing with bearing wall framing width:

Table with 2 columns: Roof Trusses, Load. Rows include Top Chord Dead Load, Top Chord Live Load, Top Chord Snow Load, Top Chord Wind Load, Bottom Chord Dead Load, Bottom Chord Live Load, Drag Loads.

- 4. Design all trusses for the following deflection limits and coordinate for clearances over non-bearing partitions:
5. Truss design is delegated for design by the truss supplier's structural engineer. Locations of all bracing and restraint will not be known until delegated design is complete.
6. All locations of continuous lateral restraint (CLR) for individual truss members shall be determined by the truss design engineer and noted on the truss design and layout drawings.

COLD-FORMED STEEL FRAMING:

- 1. Design, Fabricate, and Install cold-formed steel framing members and accessories plumb, square, and true to line, and with connections securely fastened, according to manufacturer's written recommendations and requirements, the requirements of the applicable International Building Code (IBC) and the applicable edition of the American Iron and Steel Institute (AISI) Specification.
2. Fasten cold-formed steel framing members by welding or screw fastening, as standard with fabricator. Wire tying of members is not permitted.
3. Comply with AWS D1.3 requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.

COLD-FORMED STEEL FRAMING (PURLINS & GIRTS)

- 1. Design, Fabricate, and Install cold-formed steel framing members and accessories plumb, square, and true to line, and with connections securely fastened, according to manufacturer's written recommendations and requirements, the requirements of the applicable International Building Code (IBC) and the applicable edition of the American Iron and Steel Institute (AISI) Specification.
2. All framing members to be as indicated on drawings and as manufactured and supplied by [Canam] or approved equal.
3. Purlins and Girts shall be constructed of steel sheet conforming to ASTM 607 (Grade 50).

STRUCTURAL TESTS AND INSPECTIONS:

- 1. Structural Tests, Inspections, and Reports for soils, pier foundations, concrete construction, masonry construction, steel construction and other applicable construction shall be promptly submitted in writing to the Structural Engineer and Contractor.
2. Tests and Inspections shall be completed in accordance with the applicable IBC Special Inspection chapter. Refer to and coordinate with the Statement of Special Inspections/Quality Assurance Plan issued with final construction documents for the required program of special inspections for each building material/system.
3. The Special Inspection Coordinator shall be a licensed Professional Engineer registered in the state the project is located in. Unless specifically stated in writing and listed on the Statement of Special Inspections, TFM is not the Special Inspector or Special Inspections Coordinator and this service shall be provided as a direct contract to the Owner as per the Building Code.



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CONSULTANTS / DESIGN TEAM:
OWNER: TOWN OF WOLFEBORO PO BOX 829 WOLFEBORO, NH 03894

CONSTRUCTION MANAGER: CONNEXION CONSTRUCTION, INC 132 S MAIN STREET LACONIA, NH 03246 T: (603) 524-3776

CIVIL: NORWAY PLAINS ASSOCIATES, INC 2 CONTINENTAL BLVD ROCHESTER, NH 03867 T: (603) 335-3948

STRUCTURAL: TFMORAN, INC 48 CONSTITUTION DRIVE BEDFORD, NH 03110 T: (603) 472-4488

ARCHITECT: BANWELL ARCHITECTS, NH 6 SOUTH PARK STREET LEBANON, NH 03766 T: (603) 448-3778

MEP/FP: CHARLES P. BUCKLEY, P.E. 500 DEPOT STREET RUMNEY, NH 03266 T: (603) 786-9992

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT

PROGRESS SET NOT FOR CONSTRUCTION DESIGN IS INCOMPLETE 2023-05-31

Table with 3 columns: REVISION, DATE, COMMENTS. Multiple empty rows for revisions.

KEY PLAN & NORTH ARROW:

PROJECT: WOLFEBORO PUBLIC SAFETY BUILDING SOUTH MAIN STREET, WOLFEBORO, NH

ISSUED: DESIGN DEVELOPMENT

DRAWING TITLE: GENERAL STRUCTURAL NOTES (CONT.)

PROJECT NO: 22-950 DATE: 5-31-2023 SHEET NUMBER:

S003

Statement of Special Inspections

Project: Wolfeboro Public Safety Building
Location: 251 S Main Street, Wolfeboro, NH
Owner: City of Wolfeboro
Owner's Address: 251 S Main Street, Wolfeboro, NH
Registered Design Professional in Responsible Charge: TFMoran Inc.
48 Constitution Drive – Bedford, NH 03110
Architect of Record: Banwell Architects

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the approved agency and the identity and qualifications of other parties to be retained for conducting observations, inspections and tests as applicable.

The approved agency shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies and missing inspections shall be brought to the immediate attention of the Contractor for correction.

Interim reports cataloging completed tests and inspections for all special inspections agencies including compliance and outstanding items shall be completed by the approved agency and submitted to the Building Official and the Registered Design Professional in Responsible Charge on a Monthly basis.

A Final Approved Agency Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Signature lines for Thomas E. Lamb (type or print name), Design Professional Seal, Owner's Authorization, Building Official's Acceptance, and other signature lines.

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections includes the following building systems:

- Soils and Foundations
Cast-in-Place Concrete
Post-Installed Concrete Anchorage
Precast Concrete
Shotcrete
Masonry Level 1
Masonry Level 2
Structural Steel
Cold-Formed Steel Framing
Prefabricated Cold-Formed Steel Trusses
Prefabricated Wall Panels
Sprayed Fire Resistant Material
Mastic and Intumescent Coatings
Wood Construction
Prefabricated Wood Trusses
Glue Laminated Wood Construction
Exterior Insulation and Finish System
Mechanical & Electrical Systems
Architectural Systems
Special Cases

Table with 4 columns: Special Inspection Agencies, Minimum Qualifications (unless waived by the building official), Firm, and Address & Telephone. Lists agencies like Approved Agency, Materials Testing, Geotechnical Engineer, EIFS Inspector, Mechanical Engineer, Architect, and Structural Engineer of Record.

Note: The inspection and testing agent shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested.

Seismic Design Category: D
Ultimate Wind Speed (3 Second Gust)(mph): 124
Wind Exposure Category: D

Definitions

Continuous Inspection: The full-time observation of work requiring inspections by an approved inspection agent who is present in the area where the work has been or is being performed and at the completion of the work.

Periodic Inspection: The part-time observation of 50% of the work requiring inspection by an approved inspection agent who is present in the area where the work has been or is being performed and at the completion of the work.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

PE/SE Structural Engineer – a licensed PE or SE specializing in the design of building structures
PE/GE Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT Engineer-in-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT Concrete Field Testing Technician – Grade 1
ACI-CCI Concrete Construction Inspector
ACI-LTT Laboratory Testing Technician – Grade 1&2
ACI-STT Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI Certified Welding Inspector
AWS/AISC-SSI Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT Non-Destructive Testing Technician – Level II or III

International Code Council (ICC) Certification

ICC-SMSI Structural Masonry Special Inspector
ICC-SWSI Structural Steel and Welding Special Inspector
ICC-SFSI Spray-Applied Fireproofing Special Inspector
ICC-PCSI Prestressed Concrete Special Inspector
ICC-RCSI Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT Concrete Technician – Levels I, II, III & IV
NICET-ST Soils Technician – Levels I, II, III & IV
NICET-GET Geotechnical Engineering Technician – Levels I, II, III & IV

Exterior Design Institute (EDI) Certification

EDI-EIFS EIFS Third Party Inspector

Other

PE/ME Mechanical/Electrical/Plumbing Engineer – a licensed PE specializing in the design of mechanical, electrical and plumbing building systems

SCSI Smoke Control Special Inspector

RA Registered Architect specializing in the design of architectural building systems

Soils and Foundations

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Lists items like Shallow Foundations, Controlled Structural Fill, Cast-in-Place Deep Foundations, Underpinning, Drainage, and Other.

Cast-In-Place Concrete

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Lists items like Mix Design, Material Certification, Reinforcement Installation, Welding of Reinforcement, Cast-In-Place Anchor Rods, Formwork, Concrete Placement, Sampling and Testing of Concrete, Curing and Protection, and Other.

Post-Installed Concrete Anchorage

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Lists items like Post-Installed Anchor Rods and Dowels, Mechanical Anchors (Anchor Positioning, Anchor Materials and Procedures, Slab Installation, Torque Controlled Anchors), and Adhesive Anchors (Anchor Positioning, Anchor Materials and Procedures, Slab Installation, Expiration and Storage, Anchor Elements, Temperature, Hole Protection).



THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3776

CONSTRUCTANTS / DESIGN TEAM:

OWNER:
TOWN OF WOLFEBORO
PO BOX 829
WOLFEBORO, NH 03894

CONSTRUCTION MANAGER:
CONNEXION CONSTRUCTION, INC
132 S MAIN STREET
LACONIA, NH 03246
T: (603) 524-3776

CIVIL:
NORWAY PLAINS ASSOCIATES, INC
2 CONTINENTAL BLVD
ROCHESTER, NH 03867
T: (603) 335-3948

STRUCTURAL:
TFMORAN, INC
48 CONSTITUTION DRIVE
BEDFORD, NH 03110
T: (603) 472-4488

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MEP/FP:
CHARLES P. BUCKLEY, P.E.
500 DEPOT STREET
RUMNEY, NH 03266
T: (603) 786-9992

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT

PROGRESS SET
NOT FOR CONSTRUCTION
DESIGN IS INCOMPLETE
2023-05-31

Table with 3 columns: REVISION, DATE, COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
STATEMENT OF SPECIAL INSPECTIONS

PROJECT NO: 22-950 DATE: 5-31-2023
SHEET NUMBER:

S004

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Table with 3 columns: Item, Agent No. (Qualification), and Scope. Items include Hole Depth, Concrete Age, Special Equipment, Anchor Setting, Trained Personnel, and Horizontally or Upwardly Inclined Anchors.

Masonry Level 2

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Items include Material Certification, Mixing of Mortar and Grout, Installation of Masonry Units, Mortar Joints, Reinforcement Installation, Welding of Reinforcement, Grouting Operations, Cast-in-Place Anchors and Ties, and Post-Installed Anchors and Dowels.

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Items include Pre-stressed Masonry, Weather Protection, Evaluation of Masonry Strength, and Other.

Structural Steel

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Items include Fabricator Certification/Quality Control Procedure, Material Certification, Open Web Steel Joists, and Bolting.

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Items include Welding, Shear Connectors, Steel Deck, Structural Framing and Details, and Other.

Cold-Formed Steel Framing

Table with 3 columns: Item, Agent No. (Qualification), and Scope. Items include Material Properties, Material Thickness, Member Sizes, Mechanical Connections, Welding, Structural Framing and Details, and Other.



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CIVIL: NORWAY PLAINS ASSOCIATES, INC 2 CONTINENTAL BLVD ROCHESTER, NH 03867 T: (603) 335-3948

STRUCTURAL: TFMORAN, INC 48 CONSTITUTION DRIVE BEDFORD, NH 03110 T: (603) 472-4488

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PROJECT: WOLFEBORO PUBLIC SAFETY BUILDING SOUTH MAIN STREET, WOLFEBORO, NH

ISSUED: DESIGN DEVELOPMENT

DRAWING TITLE: STATEMENT OF SPECIAL INSPECTIONS

PROJECT NO: 22-950 DATE: 5-31-2023 SHEET NUMBER:

S005

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Sprayed Fire Resistant Material

Table with 3 columns: Item, Agent No. (Qualification), Scope. Contains 5 rows of inspection items for sprayed fire resistant material.

Table with 3 columns: Item, Agent No. (Qualification), Scope. Contains 2 rows of inspection items for sprayed fire resistant material.

Wood Construction

Table with 3 columns: Item, Agent No. (Qualification), Scope. Contains 5 rows of inspection items for wood construction.

Prefabricated Wood Trusses

Table with 3 columns: Item, Agent No. (Qualification), Scope. Contains 7 rows of inspection items for prefabricated wood trusses.



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VITAL INFORMATION REQUIRED FOR THE
SUCCESSFUL COMPLETION OF THE
WORK IS CONTAINED IN THE PROJECT
MANUAL PREPARED FOR THIS PROJECT

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DESIGN IS INCOMPLETE
2023-05-31

Table with 3 columns: REVISION, DATE, COMMENTS. Multiple empty rows for revisions.

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
STATEMENT OF SPECIAL
INSPECTIONS

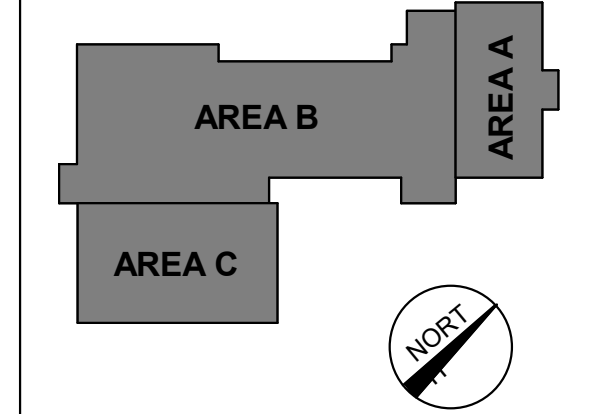
PROJECT NO: 22-950 DATE: 5-31-2023
SHEET NUMBER:

S006

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2023-05-31

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



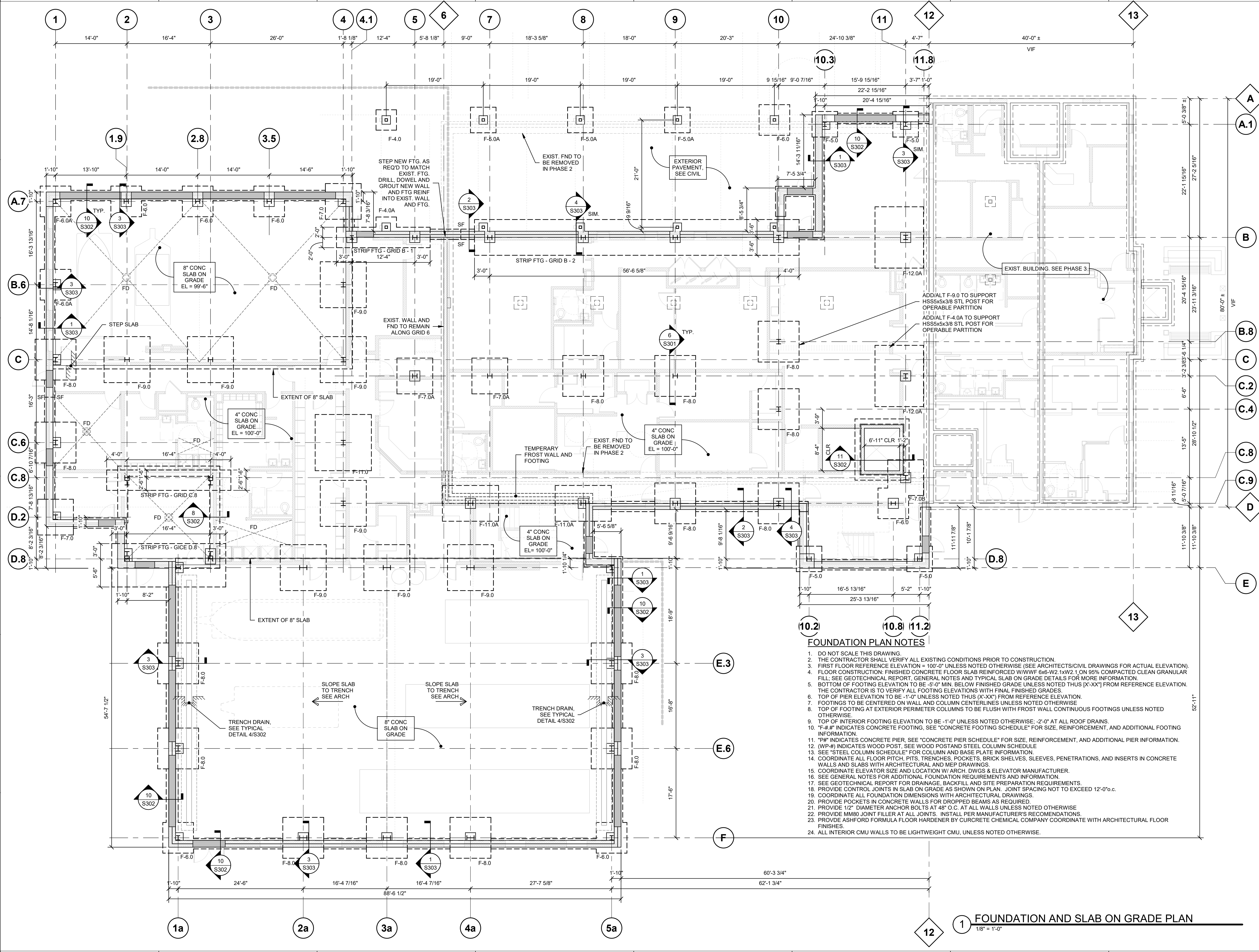
PROJECT:
B WOLFEBORO PUBLIC SAFETY
BUILDING
SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
FOUNDATION PLAN

PROJECT NO: 22-950 DATE: 5-31-2023
SHEET NUMBER:

S101



FOUNDATION PLAN NOTES

- DO NOT SCALE THIS DRAWING.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- FIRST FLOOR REFERENCE ELEVATION = 100'-0" UNLESS NOTED OTHERWISE (SEE ARCHITECTS/CIVIL DRAWINGS FOR ACTUAL ELEVATION).
- FLOOR CONSTRUCTION: FINISHED CONCRETE FLOOR SLAB REINFORCED W/WWF 6x6-W2.1XW2.1 ON 95% COMPACTED CLEAN GRANULAR FILL; SEE GEOTECHNICAL REPORT, GENERAL NOTES AND TYPICAL SLAB ON GRADE DETAILS FOR MORE INFORMATION.
- BOTTOM OF FOOTING ELEVATION TO BE -3'-0" MIN. BELOW FINISHED GRADE UNLESS NOTED THUS [X'-XX"] FROM REFERENCE ELEVATION. THE CONTRACTOR IS TO VERIFY ALL FOOTING ELEVATIONS WITH FINAL FINISHED GRADES.
- TOP OF PIER ELEVATION TO BE -1'-0" UNLESS NOTED THUS [X'-XX"] FROM REFERENCE ELEVATION.
- FOOTINGS TO BE CENTERED ON WALL AND COLUMN CENTERLINES UNLESS NOTED OTHERWISE
- TOP OF FOOTING AT EXTERIOR PERIMETER COLUMNS TO BE FLUSH WITH FROST WALL CONTINUOUS FOOTINGS UNLESS NOTED OTHERWISE.
- TOP OF INTERIOR FOOTING ELEVATION TO BE -1'-0" UNLESS NOTED OTHERWISE; -2'-0" AT ALL ROOF DRAINS.
- "F-#\"
- "P#\"
- (WP-#) INDICATES WOOD POST; SEE WOOD POST AND STEEL COLUMN SCHEDULE
- SEE "STEEL COLUMN SCHEDULE\"
- COORDINATE ALL FLOOR PITCH, PITS, TRENCHES, POCKETS, BRICK SHELVES, SLEEVES, PENETRATIONS, AND INSERTS IN CONCRETE WALLS AND SLABS WITH ARCHITECTURAL AND MEP DRAWINGS.
- COORDINATE ELEVATOR SIZE AND LOCATION W/ ARCH. DWGS & ELEVATOR MANUFACTURER.
- SEE GENERAL NOTES FOR ADDITIONAL FOUNDATION REQUIREMENTS AND INFORMATION.
- SEE GEOTECHNICAL REPORT FOR DRAINAGE, BACKFILL AND SITE PREPARATION REQUIREMENTS.
- PROVIDE CONTROL JOINTS IN SLAB ON GRADE AS SHOWN ON PLAN. JOINT SPACING NOT TO EXCEED 12'-0\"
- COORDINATE ALL FOUNDATION DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- PROVIDE POCKETS IN CONCRETE WALLS FOR DROPPED BEAMS AS REQUIRED.
- PROVIDE 1/2\"
- PROVIDE MM80 JOINT FILLER AT ALL JOINTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ASHFORD FORMULA FLOOR HARDENER BY CURCRETE CHEMICAL COMPANY COORDINATE WITH ARCHITECTURAL FLOOR FINISHES.
- ALL INTERIOR CMU WALLS TO BE LIGHTWEIGHT CMU, UNLESS NOTED OTHERWISE.

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DESIGN IS INCOMPLETE
2023-05-31

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

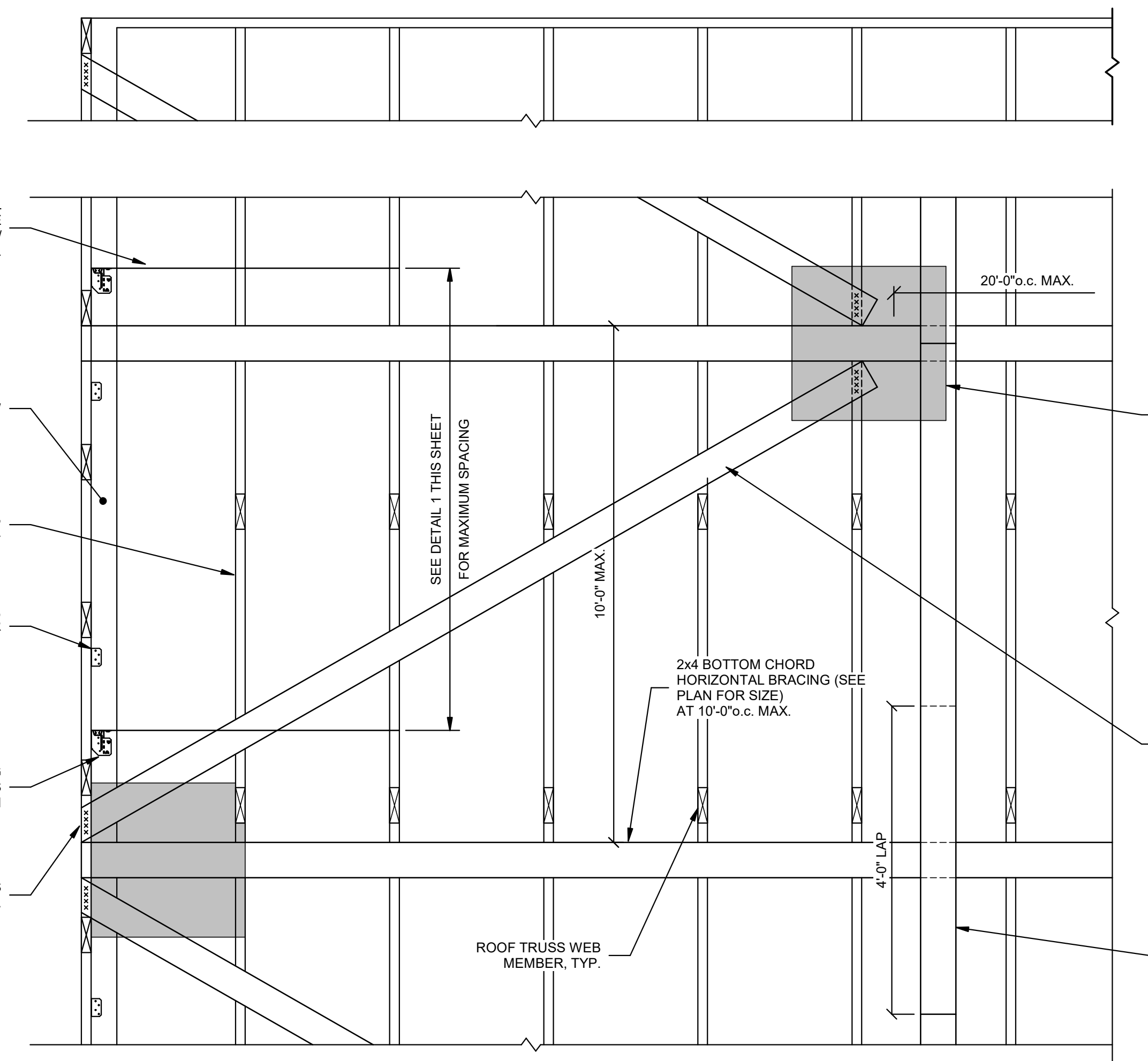
PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

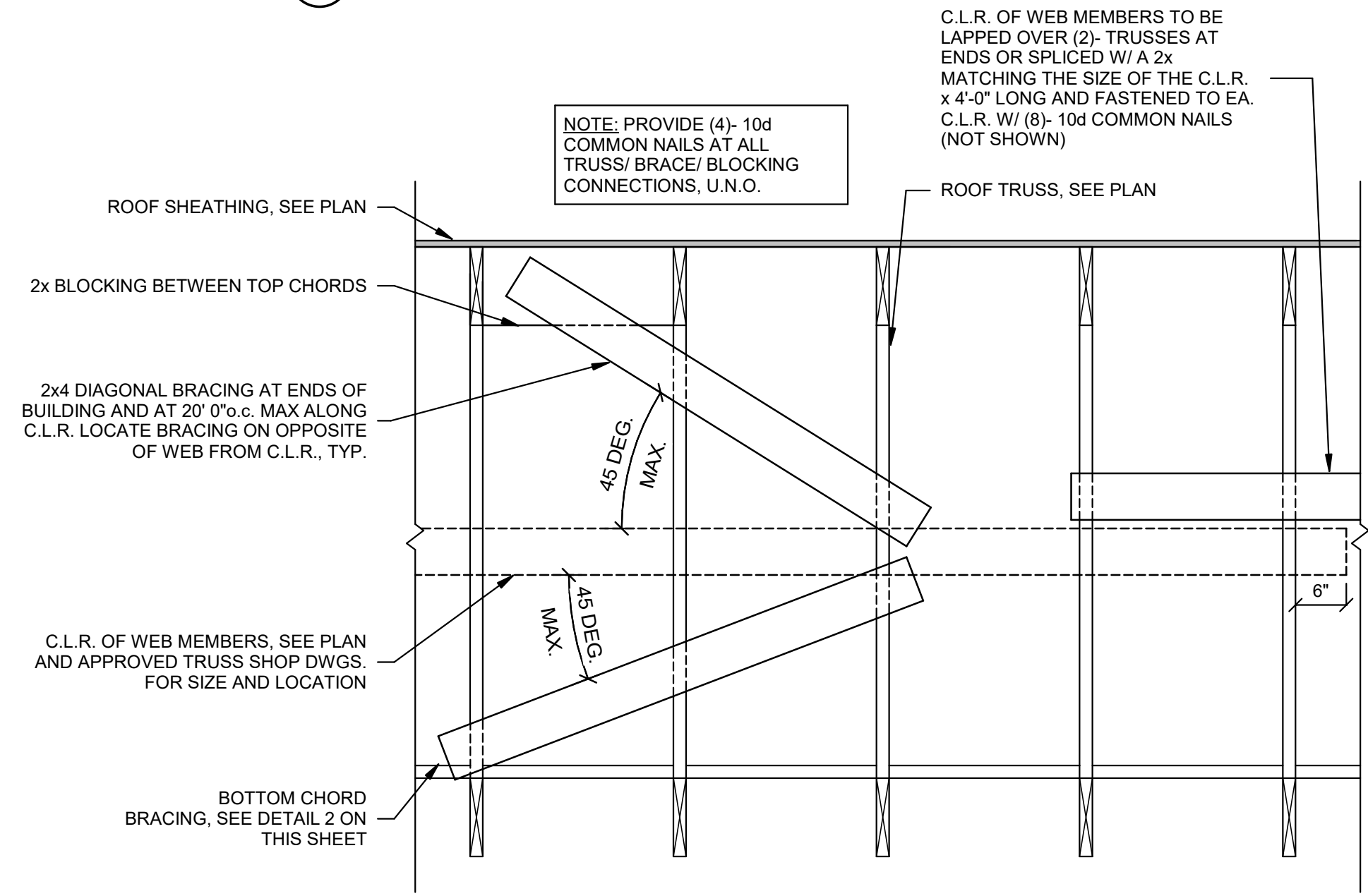
DRAWING TITLE:
TYPICAL WOOD TRUSS BRACING DETAILS

PROJECT NO: 22-950 DATE: 5-31-2023
SHEET NUMBER:

S503

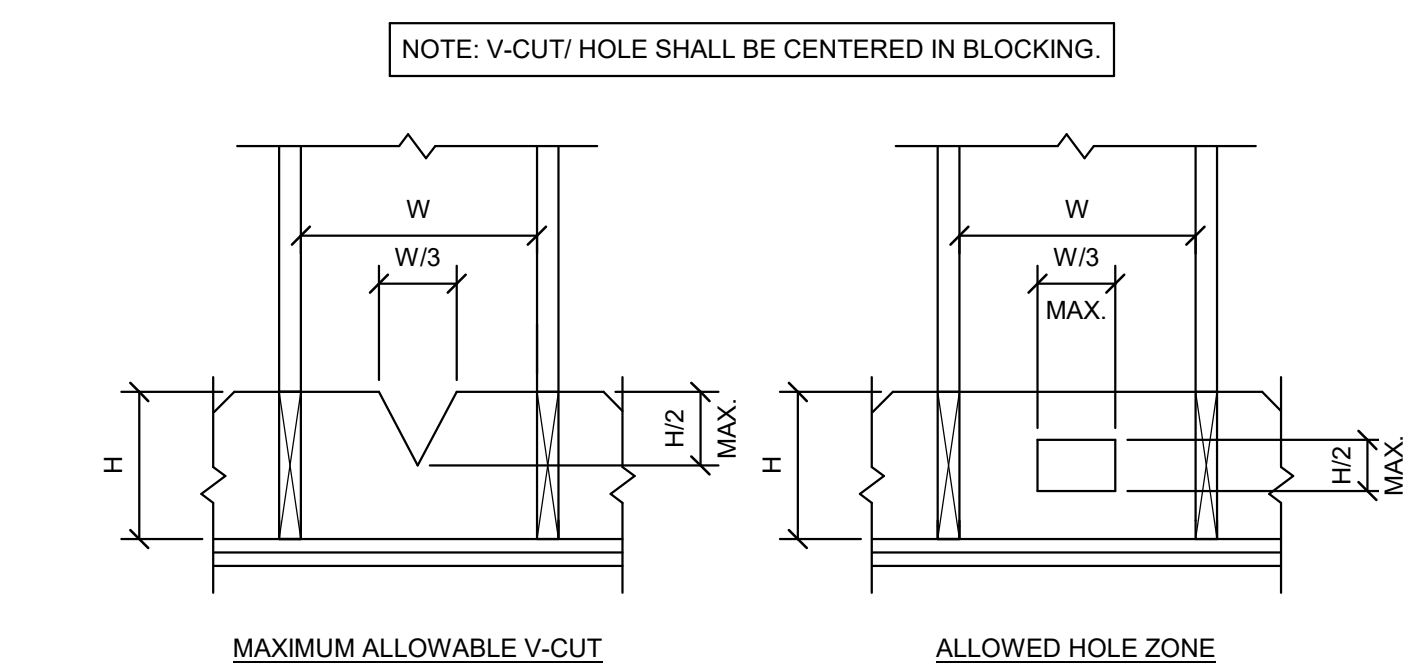


1 TYPICAL BOTTOM CHORD BRACING PLAN DETAIL
NO SCALE



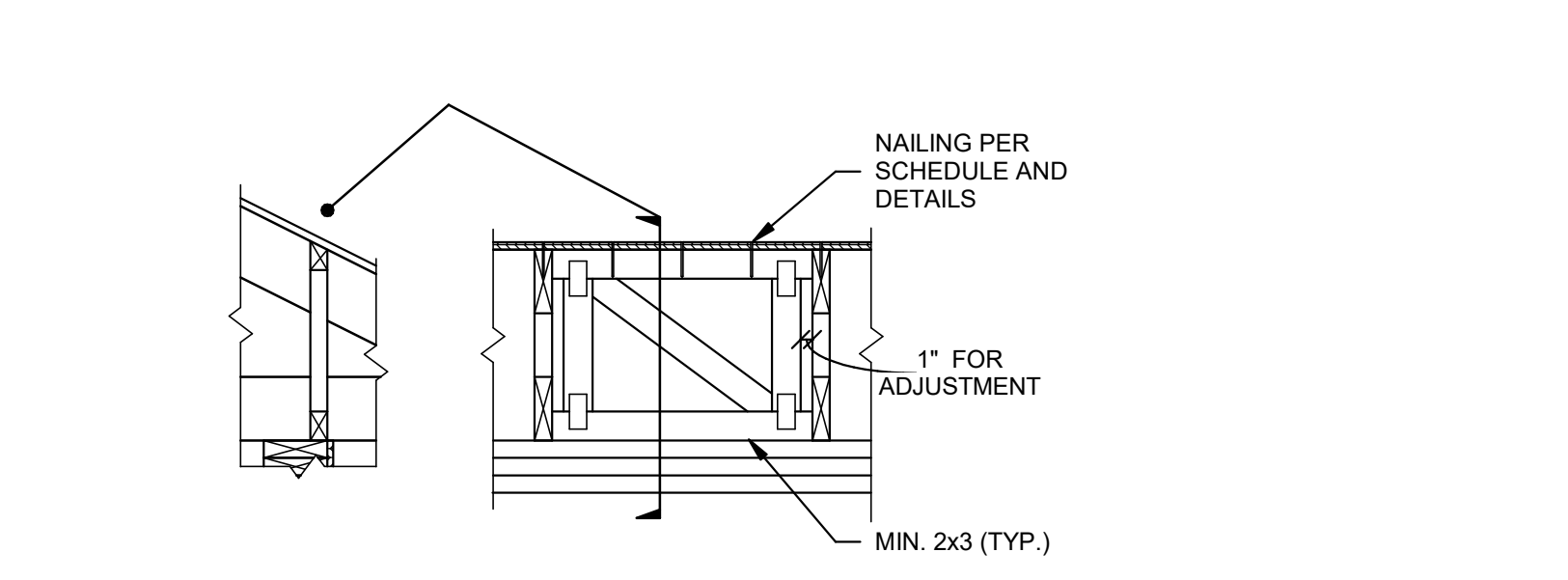
2 TYPICAL GABLE END TRUSS/ WALL BRACING DETAIL
NO SCALE

4 TYPICAL PERMANENT TRUSS WEB BRACING DETAIL
NO SCALE

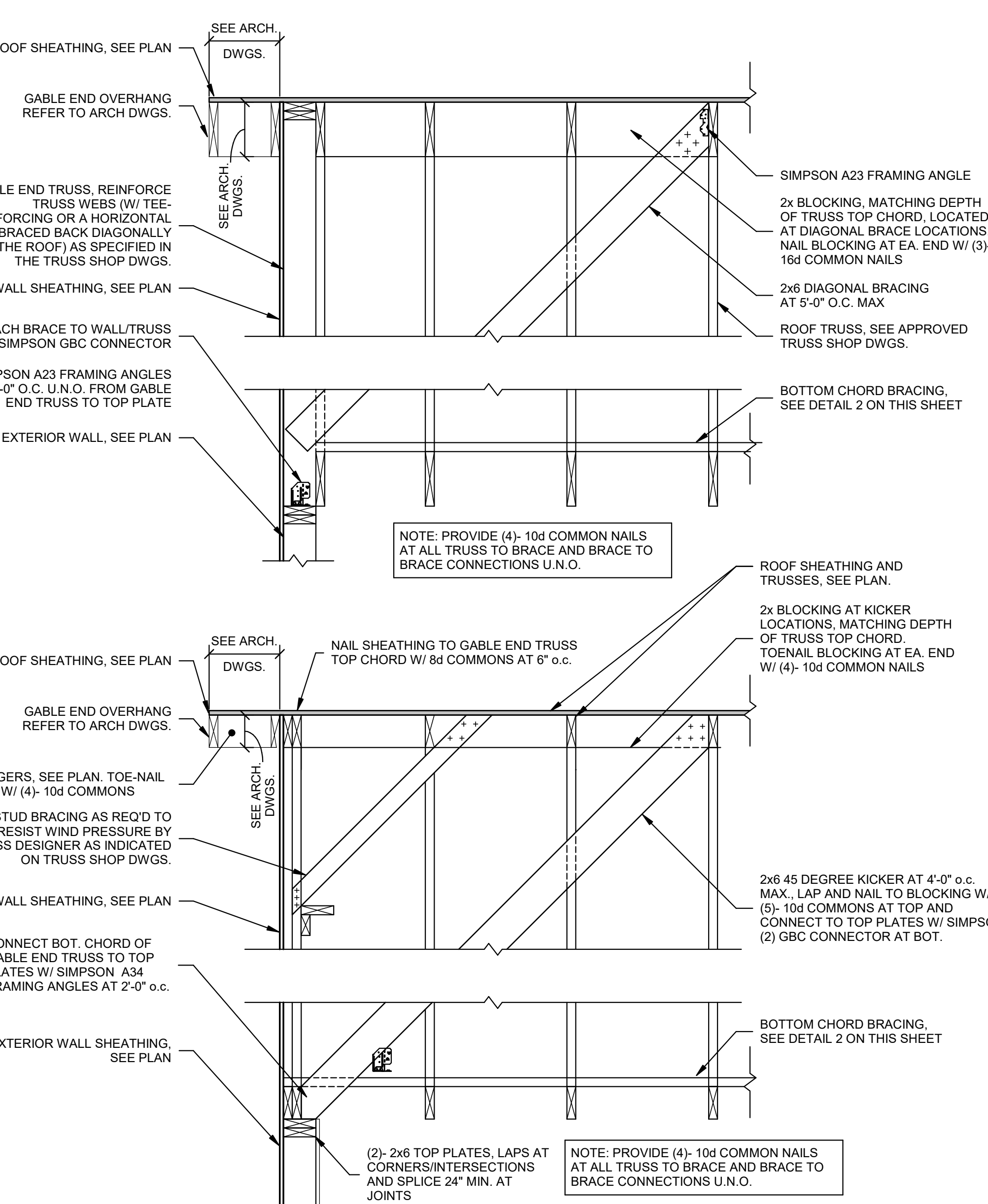


6 TYPICAL ALTERNATIVE FULL DEPTH EAVE BLOCKING DETAILS
NO SCALE

3 TYPICAL TRUSS VERTICAL SWAY BRACING
NO SCALE



5 TYPICAL TRUSS TYPE BLOCKING DETAIL
3/4" = 1'-0"



7 TYPICAL OVERBUILD DETAIL
3/4" = 1'-0"

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REVISION	DATE	COMMENTS

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PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
TYPICAL MASONRY DETAILS

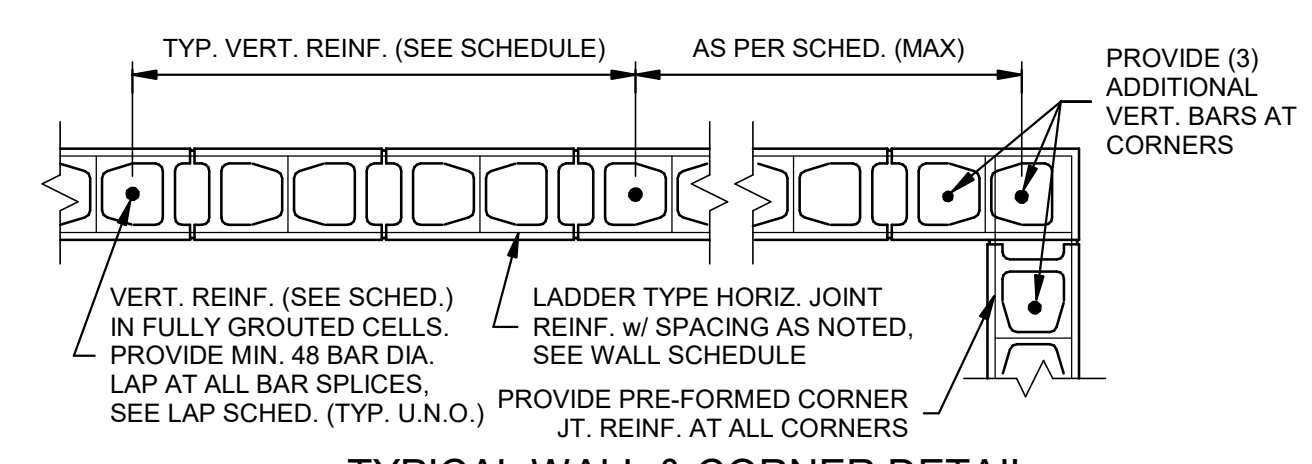
PROJECT NO: 22-950 DATE: 5-31-2023
SHEET NUMBER:

S601

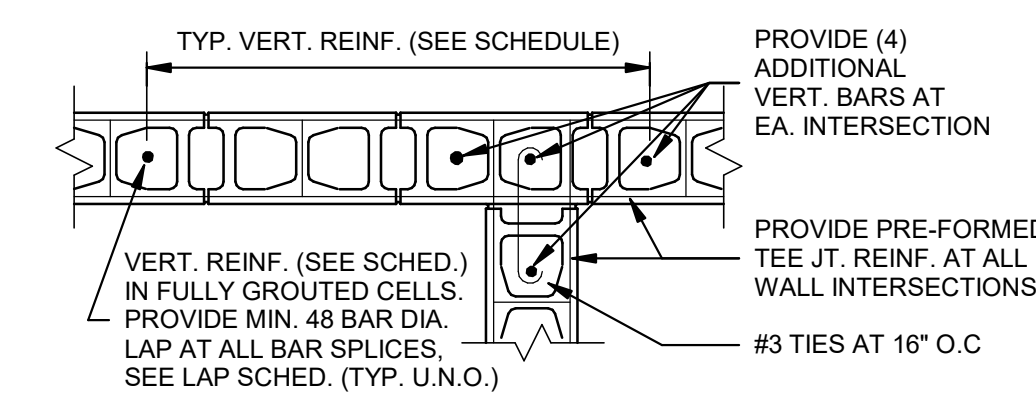
MASONRY REINFORCING LAP REQUIREMENTS							
DEVELOPMENT LENGTHS FOR REINFORCING BARS IN MASONRY							
(2015 IBC ALLOWABLE STRESS DESIGN & TMS 402-13)							
CMU WALL SIZE	MINIMUM LAP LENGTH WITH BAR LOCATED IN CENTER OF CMU CORE				MINIMUM LAP LENGTH WITH BAR LOCATED AT FACE OR IN BOND BEAMS w/ (2) BARS		
	LAP LENGTH				CLR. COVER SIZE	LAP LENGTH	
	6-in.	8-in.	10-in.	12-in.		1 1/2"	2" CLR.
#3	16"	16"	16"	16"	#3	19"	16"
#4	21"	21"	21"	21"	#4	34"	26"
#5	32"	26"	26"	26"	#5	53"	40"
#6	61"	43"	40"	40"	#6	MS	MS
#7	NP	60"	46"	46"	#7	MS	MS
#8	NP	MS	MS	61"	#8	MS	MS
#9	NP	NP	MS	MS	#9	MS	MS
#10	NP	NP	NP	MS	#10	MS	MS
#11	NP	NP	NP	MS	#11	MS	MS

BASED ON Fy = 60,000 psi (GRADE 60 STEEL) and Fm = 1,500 psi.
CMU MUST BE TWO-CORE, SQUARE CORE UNIT AND MAX. CELL TAPER OF 1/4".
ALL MORTAR FINS MUST BE REMOVED FROM CELLS (CORES) TO BE GROUTED.
"NP" INDICATES NOT PERMITTED - BAR IS TOO LARGE FOR THIS WALL.
"MS" INDICATES MECHANICAL SPLICE - SEE NEMA TEK NOTE 12-6 FOR MORE INFORMATION

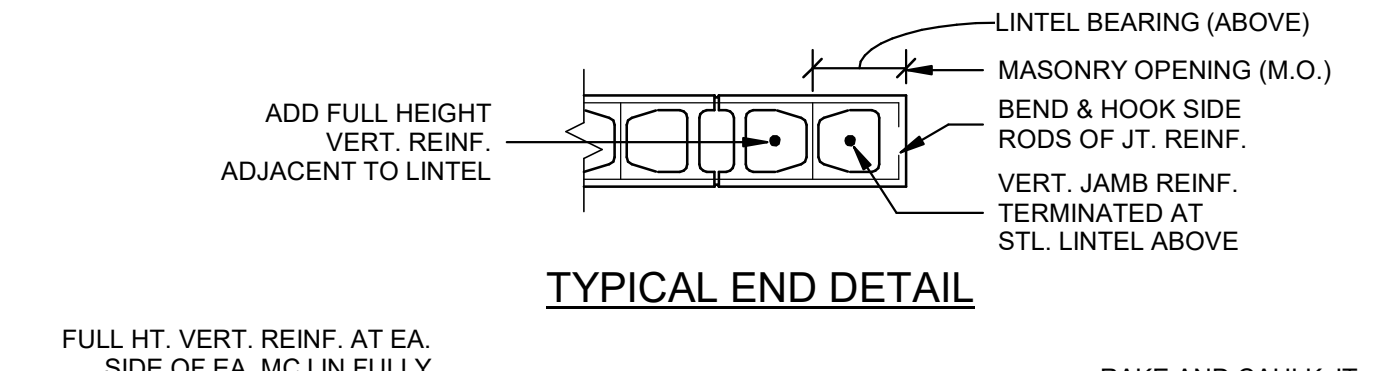
1 TYPICAL MASONRY REINFORCING LAP LENGTH
3/4" = 1'-0"



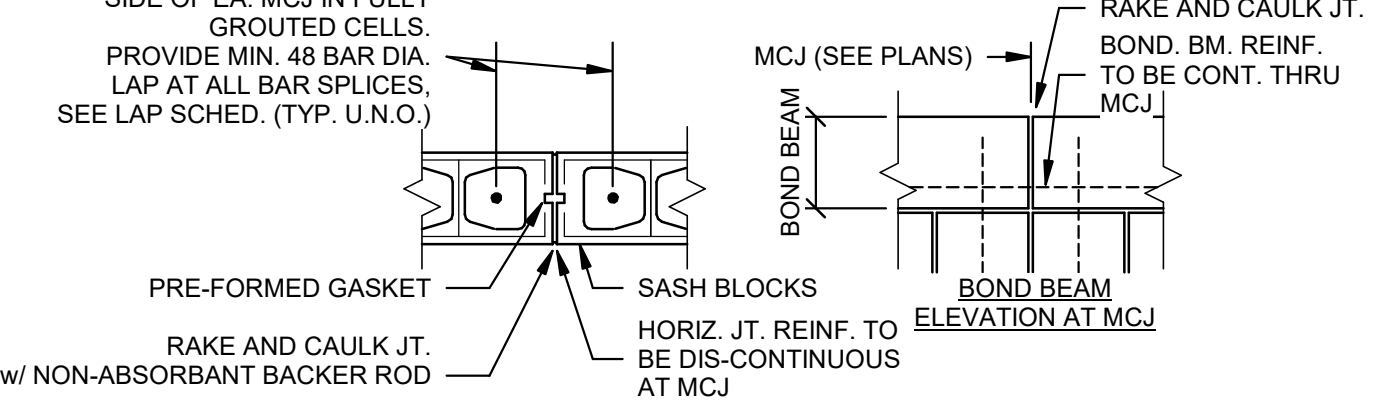
TYPICAL WALL & CORNER DETAIL



TYPICAL WALL & INTERSECTION DETAIL



TYPICAL END DETAIL



TYPICAL MASONRY WALL CONTROL JOINT (MCJ)

5 TYPICAL CMU WALL DETAILS
NO SCALE

MINIMUM CONCRETE MASONRY WALL REINFORCING SCHEDULE				
WALL LOCATION	WALL THICKNESS	VERT REINF	HORIZ. REINFORCING (TYP.)	BOND BEAM REINF
ALL EXTERIOR LOAD BEARING & SHEAR WALLS U.N.O.	8"	#5 @24"	9 GA. LADDER-TYPE AT 16" O.C.	2-#5 BARS
ALL OTHER INT. LOAD BEARING & SHEAR WALLS U.N.O.	ALL SIZES	#5 @24"	9 GA. LADDER-TYPE AT 16" O.C.	SEE ABOVE
ALL INT. NON-STRUCTURAL CMU WALLS	ALL SIZES	#4 @48"	9 GA. LADDER-TYPE AT 16" O.C.	SEE ABOVE

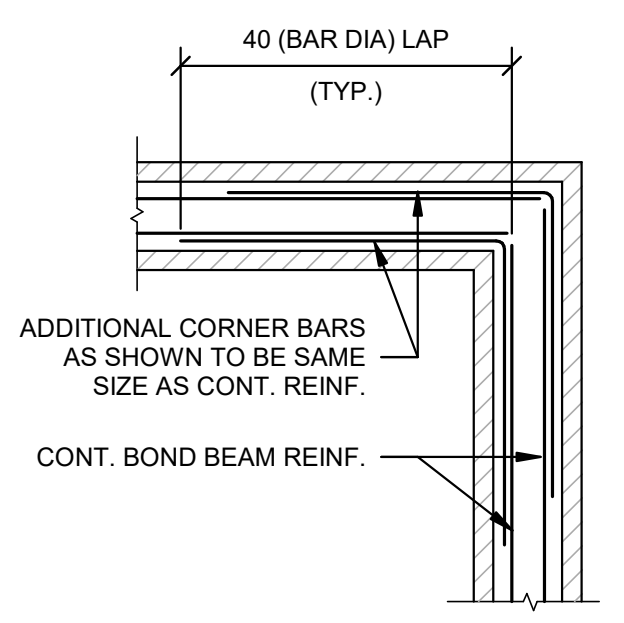
NOTES:
1. PROVIDE BOND BEAMS AT TOP AND BOTTOM OF WALL OPENINGS, AT FLOOR AND ROOF LEVELS AND AT 10'-0" O.C. MAX WHERE NO FLOOR EXISTS
2. REFER TO PLANS AND SECTIONS FOR REINFORCING REQUIREMENTS MORE STRINGENT THAN IN THIS SCHEDULE
3. ALL INT. NON-STRUCTURAL CMU WALLS SHALL BE LT. WT. CMU.
4. PROVIDE JOINT REINF. w/ PRE-FORMED TEES AND CORNERS AT ALL WALLS.

2 MASONRY REINFORCING SCHEDULE
NO SCALE

MASONRY LINTEL SCHEDULE (ML)		
MAX M.O.	4" WALL / VENEER	8" WALL
3'-0"	(1) L3 1/2x3 1/2x5/16	(2) L3 1/2x3 1/2x5/16
4'-0"	(1) L4x3 1/2x5/16	(2) L4x3 1/2x5/16
5'-0"	(1) L5x3 1/2x5/16	(2) L5x3 1/2x5/16
6'-0"	(1) L6x3 1/2x5/16	(2) L6x3 1/2x5/16
7'-0"	(1) L6x3 1/2x3/8	(2) L6x3 1/2x3/8
8'-0"	(1) L6x3 1/2x3/8	(2) L6x3 1/2x3/8

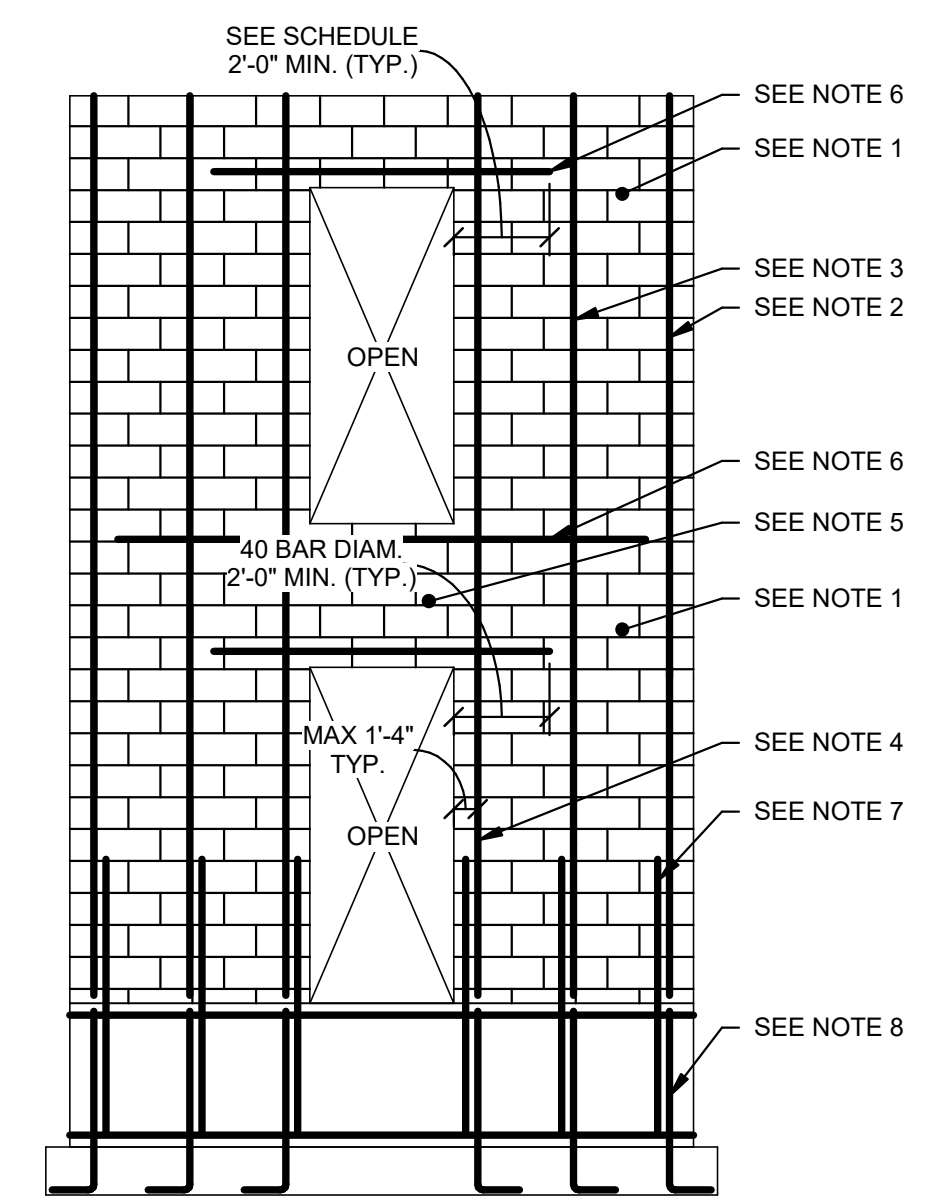
- NOTES:
1. PROVIDE LINTELS, WHETHER INDICATED OR NOT ON STRUCTURAL OR ARCHITECTURAL DRAWINGS, OVER ALL MASONRY OPENINGS (M.O.) IN MASONRY WALLS, AS REQUIRED BY ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
2. LINTELS ARE FOR NON LOAD BEARING AND UNIFORMLY LOADED BEARING WALLS ONLY. CONSULT WITH ENGINEER FOR REVIEW AND REQ'D LINTEL SIZES AT ALL OTHER LOCATIONS.
3. SEE ARCH. FOR REQ'D DIMS (ALL OPENINGS).
4. FOR WALLS GREATER THAN 12' IN WIDTH, PROVIDE (1) ADDITIONAL ANGLE FOR EACH 4' OF MASONRY.
5. IF LINTEL IS SPECIFIED ON PLAN WITH COVER PLATE, PLATE SHALL HAVE A WIDTH 1" LESS THAN THE WALL THICKNESS.
6. PROVIDE 6" MIN. BEARING AT EACH END BUT NOT LESS THAN 1" PER FOOT OF SPAN.
7. CORE FILL MASONRY (FULL HT.) BELOW BEARING WITH 2000 PSI GROUT (SEE TYPICAL DETS FOR REQ'D REINF.).
8. CORE FILL (2) COURSES OF MASONRY BELOW BEARING WITH MORTAR AT EXISTING WALLS.
9. INSTALL LINTELS WITH LONG LEG VERTICAL (UNLESS NOTED).
10. LINTELS SUPPORTING EXTERIOR MASONRY OR LOCATED IN EXTERIOR WALLS SHALL BE HOT DIPPED GALVANIZED.
11. WHERE MINIMUM BEARING CANNOT BE PROVIDED, ATTACH SECURELY TO ADJACENT STRUCTURAL MEMBERS OR PROVIDE SEPARATE SUPPORTS.
12. PROVIDE CONT. CLOSURE ANGLE OR P.T. BLOCKING AS REQ'D AT ALL VENEER CAVITIES (COORD. w/ ARCH.).
13. ALL LINTELS TO BE INSTALLED AT M.O. HEAD (UNLESS NOTED) COORD. w/ ARCH.
14. G.C. SHALL PROVIDE ALL MECH. DUCT M.O. LOCATIONS AND SIZES TO ENGINEER FOR REVIEW AND REQ'D LINTEL SIZES.
15. PROVIDE SLIP SEAT AT ALL LINTEL ENDS OVER CONTROL JOINTS.

3 MASONRY LINTEL SCHEDULES
NO SCALE



PLAN - BOND BEAM REINFORCING

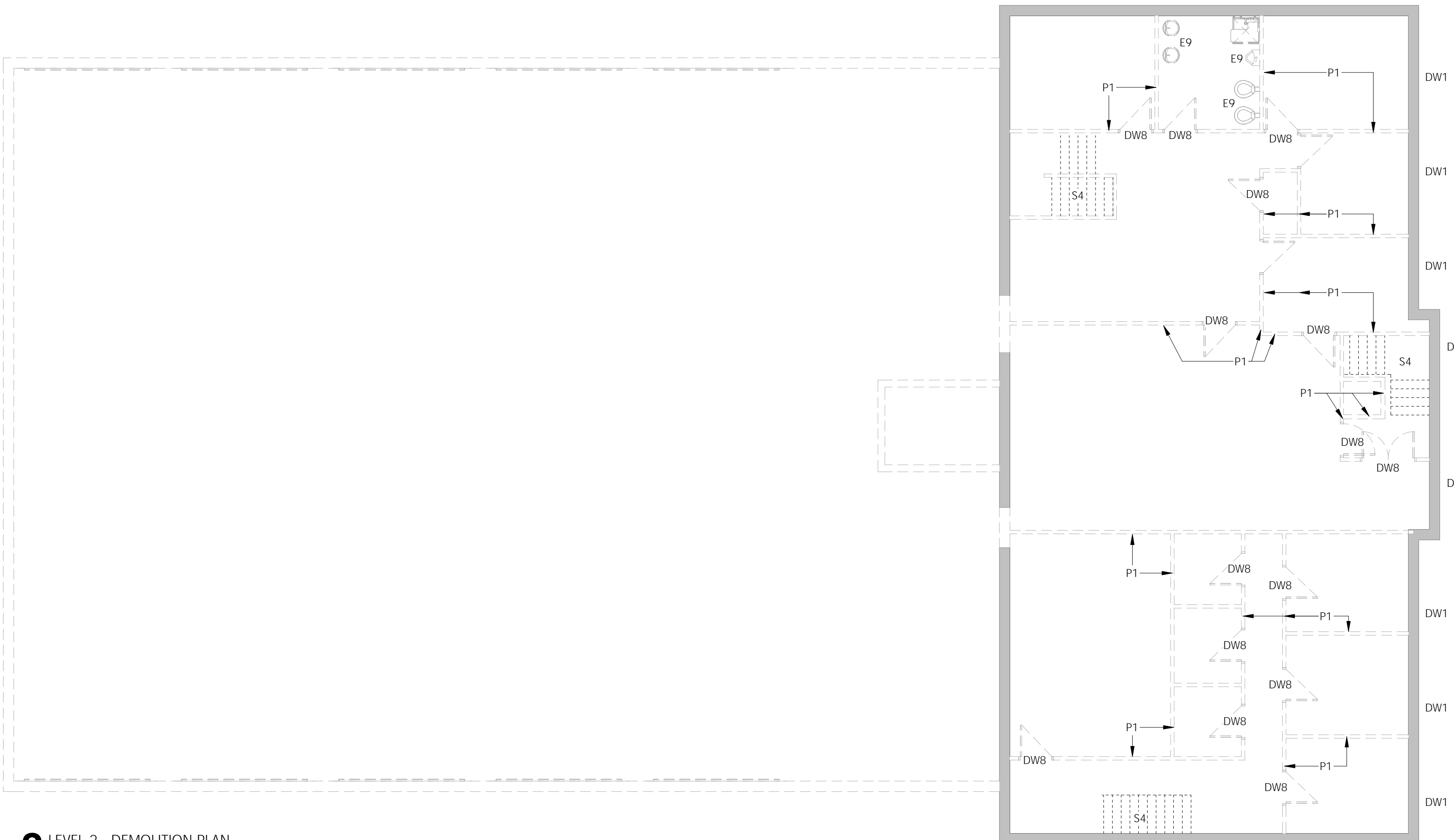
4 TYPICAL BOND BEAM CORNER DETAIL
3/4" = 1'-0"



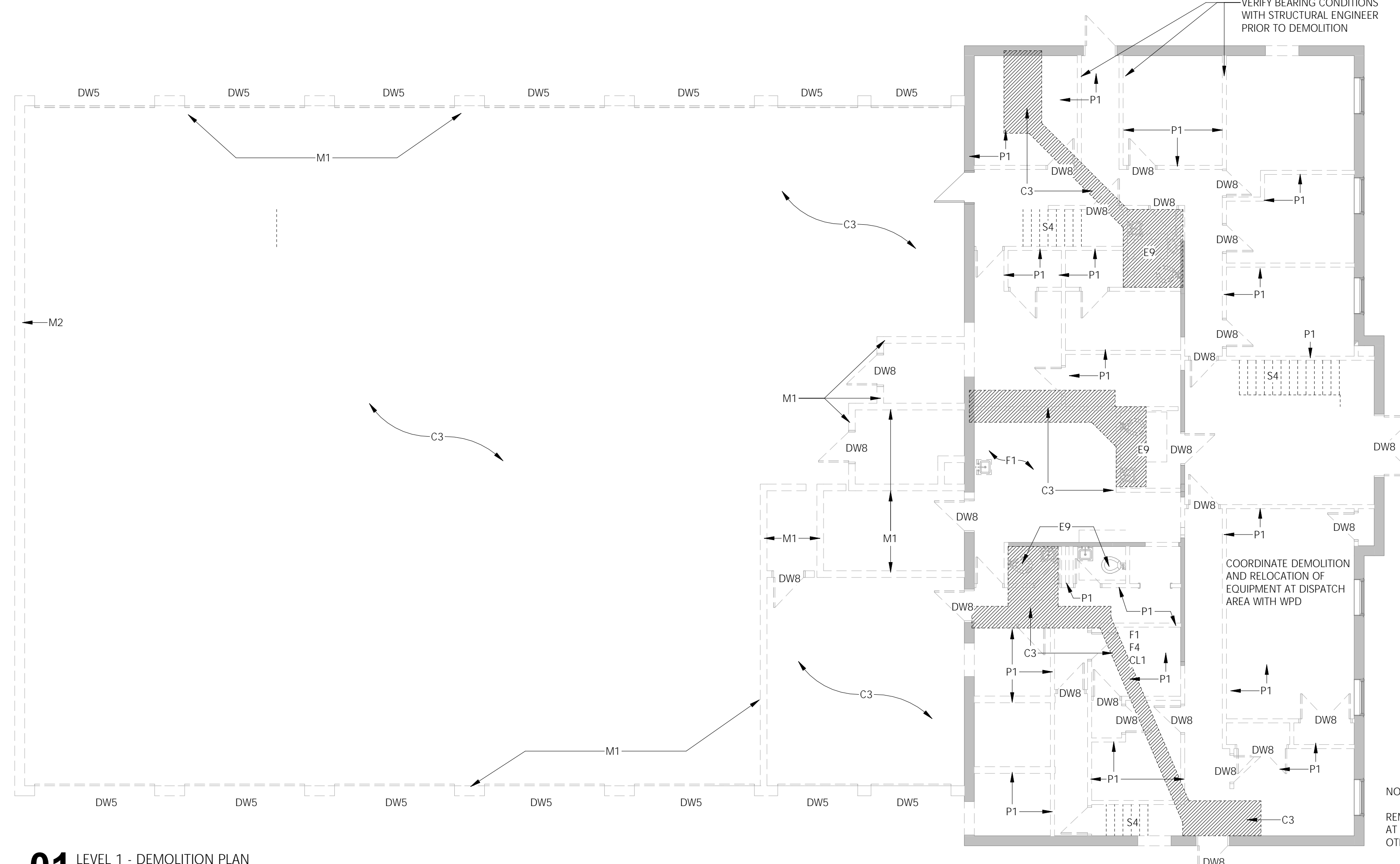
6 TYPICAL MASONRY REINFORCEMENT ELEVATION DETAIL
3/4" = 1'-0"

- KEYNOTES:
1. WALL SIZE AND GROUTING INFO:
1.1 AT ALL CMU WALLS: SEE PLAN FOR SIZE OF PARTIALLY GROUTED CMU WALL. GROUT SOLID CELLS CONTAINING VERT. REINF. AND BOND BEAMS CONTAINING HORIZ. REINF.
2. WALL CORNER AND END REINF. INFO:
2.1 AT ALL CMU WALLS: (1)-#5 VERT. FULL HEIGHT REINF. AT CORNERS AND ENDS OF WALL.
3. WALL TYP. VERT. REINF. INFO:
3.1 AT ALL CMU WALLS: #5 VERT. FULL HEIGHT REINF. AT 4'-0" o.c.
4. VERT. FULL HEIGHT REINF. EQUAL TO SIZE OF CMU WALL REINF. AT BOTH SIDES OF OPENINGS.
5. HORIZ. JOINT REINF. WITHIN 16" OF TOP OF WALLS AT 16" o.c., JOINT REINF. SHALL BE W1.7 (9 GAGE) STEEL WIRE LADUR TYPE. (2)-#5 CONT. HORIZ. REINF. IN SOLID GROUTED BOND BEAM ABOVE ALL OPENINGS, AT EACH FLOOR LEVEL, AND AT OTHER ELEVATIONS NOTED ON PLANS AND DETAILS.
6. PROVIDE REINF. DOWELS BETWEEN FDN. AND MASONRY WALL EQUAL TO SIZE AND SPACING OF MASONRY VERT. REINF. DOWELS SHALL EXTEND INTO MASONRY WALLS AND SHALL BE LAPPED 48 BAR DIAMETERS MIN.
7. DOWELS IN CONC. FDN., SEE FDN. SECTIONS AND DETAILS FOR SIZE AND SPACING.
8. ALL GROUTED CELLS SHALL BE MECHANICALLY VIBRATED IN ACCORDANCE WITH ACI 530. IN ADDITION, AFTER 10 MINUTES, MECHANICALLY VIBRATE GROUTED CELLS A SECOND TIME.
- NOTES:
1. ALL GROUTED CELLS SHALL BE MECHANICALLY VIBRATED IN ACCORDANCE WITH ACI 530. IN ADDITION, AFTER 10 MINUTES, MECHANICALLY VIBRATE GROUTED CELLS A SECOND TIME.

5 TYPICAL CMU WALL DETAILS
NO SCALE



2 LEVEL 2 - DEMOLITION PLAN
Scale: 1/8" = 1'-0"



01 LEVEL 1 - DEMOLITION PLAN
Scale: 1/8" = 1'-0"

EQUIPMENT

- E1 REMOVE LOCKERS COMPLETE.
- E2 REMOVE CONCRETE / WOOD LOCKER BASES
- E3 REMOVE DISPLAY BOARDS, WINDOW TREATMENTS, MISCELLANEOUS EQUIPMENT COMPLETE.
- E4 REMOVE SHELVING, RACKS, HOOKS COMPLETE.
- E5 REMOVE BLEACHERS COMPLETE.
- E6 REMOVE OPERABLE WALL AND TRACK COMPLETE.
- E7 REMOVE BASKETBALL BACKSTOP AND OTHER SPORTS EQUIPMENT COMPLETE.
- E8 REMOVE FOOD SERVICE EQUIPMENT COMPLETE.
- E9 REMOVE PLUMBING FIXTURES COMPLETE. SEE PLUMBING DRAWINGS.
- E10 REMOVE DISPLAY CASE.
- E11 REMOVE CHAIN LINK ENCLOSURE.
- E12 REMOVE ROOF HATCH.
- E13 REMOVE LADDER.
- E14 REMOVE HVAC EQUIPMENT. SEE MECH. DWGS.
- E15 REMOVE TOILET PARTITIONS COMPLETE.
- E16 REMOVE TOILET ROOM ACCESSORIES COMPLETE.

DEMOLITION PLAN LEGEND:

- KEYNOTE, SEE DEMOLITION KEYNOTE CODES ABOVE
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED, SEE KEYNOTES
- EXISTING DOOR TO REMAIN

ARCHITECT TO VERIFY:
1. DELETE / EDIT / ADD NOTES PER PROJECT
2. RETAIN STANDARD NUMBERING SYSTEM

GENERAL DEMO PLAN NOTES:

1. THE DEMOLITION PLANS AND/OR ELEVATIONS ILLUSTRATE THE CONCEPT OF ARCHITECTURAL DEMOLITION. THEY ARE NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL DEMOLITION WORK REQUIRED. ALL OF THE CONTRACT DOCUMENTS ARE TO BE CONSIDERED WHEN DETERMINING THE SCOPE OF DEMOLITION FOR THE PROJECT. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO REQUIRE DEMOLITION OF ALL THE BUILDING ELEMENTS AS NECESSARY FOR THE INSTALLATION OF WORK REQUIRED BY THE SCOPE OF THIS PROJECT.
2. DASHED LINES GENERALLY REPRESENT ITEMS TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXACT EXTENT AND DETAIL OF REQUIRED DEMOLITION.
3. REMOVE PARTITIONS TO STRUCTURE ABOVE, UNLESS OTHERWISE INDICATED.
4. REMOVE DOORS AND ASSOCIATED FRAMES, HARDWARE, THRESHOLDS, SIDELIGHTS, AND TRANSOMS WHERE INDICATED, UNLESS OTHERWISE NOTED.
5. REMOVE ALL CASEWORK, FIXTURES, OR EQUIPMENTS ON WALLS TO BE REMOVED OR FURRED.
6. REMOVE CONCRETE SLABS AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
7. SEE SECTION 02 41 00 FOR ADDITIONAL DEMOLITION REQUIREMENTS.

DEMO PLAN KEYNOTES:

- CONCRETE**
- C1 REMOVE PORTIONS OF SLAB AND FILLS FOR NEW FOOTINGS OR UTILITIES.
 - C2 REMOVE CONCRETE STAIRS.
 - C3 REMOVE CONCRETE SLAB.
 - C4 REMOVE CONCRETE FOOTINGS AND FOUNDATION WALLS.
 - C5 REMOVE CONCRETE SIDEWALK.
 - C6 REMOVE PORTION OF CONCRETE WALL FOR NEW OPNG.

MASONRY

- M1 REMOVE MASONRY WALL.
- M2 REMOVE MASONRY WALL AS REQ. FOR NEW WORK.
- M3 REMOVE BRICK MASONRY FOR REPAIR.

STRUCTURE

- S1 REMOVE CEILING, ROOF BEAMS, JOISTS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S3 REMOVE WOOD BEAMS, DECKING, ROOF INSULATION, ROOFING COMPLETE.
- S4 REMOVE STAIRS, LANDINGS RAILINGS COMPLETE.
- S5 REMOVE CANOPY FOOTINGS, FINISHES, STRUCTURE, ROOFING COMPLETE.
- S6 REMOVE EXTERIOR SOFFIT FINISH COMPLETE.
- S7 REMOVE PORTIONS OF ROOFING AND DECK AS INDICATED IN DETAILS.
- S8 REMOVE ROOF INSULATION AND ROOF DECK.
- S9 REMOVE EXTERIOR METAL PANELS.
- S10 REMOVE STRUCTURE COMPLETE THIS AREA: INCLUDING FOUNDATION, SLABS, STRUCTURE, ROOF AND WALLS.
- S11 REMOVE MEZZANINE FLOOR AND WALLS COMPLETE.
- S12 REMOVE RAILINGS.

PARTITIONS

- P1 REMOVE STUD AND GYPSUM BOARD PARTITION.
- P2 REMOVE GYPSUM BOARD SOFFIT COMPLETE.
- P3 REMOVE PORTION OF PARTITION FOR NEW OPENING.

DOORS AND WINDOWS

- DW1 REMOVE EXISTING WINDOW(S) COMPLETE.
- DW2 REMOVE DOOR AND HARDWARE ONLY (EXISTING FRAME TO REMAIN).
- DW3 REMOVE ALUMINUM ENTRANCE UNIT COMPLETE.
- DW4 REMOVE EX. DOOR AND FRAME FOR RELOCATION.
- DW5 REMOVE OVERHEAD DOOR COMPLETE.
- DW6 REMOVE ROLL-UP DOOR COMPLETE.
- DW7 REMOVE LOUVERS COMPLETE.
- DW8 REMOVE DOOR AND FRAME.
- DW9 REMOVE BORROWED LITE.

FLOORING AND FINISH

- F1 REMOVE VCT / VINYL SHEET FLOORING.
- F2 REMOVE CARPETING, GLUE AND BASE.
- F3 REMOVE CERAMIC FLOORING COMPLETE.
- F4 REMOVE BASE.
- F5 REMOVE WOOD FLOOR SYSTEM COMPLETE.
- F6 REMOVE CERAMIC WALL TILE COMPLETE.
- F7 REMOVE WALL PANELS COMPLETE.
- F8 REMOVE WOOD WALL PANELS COMPLETE.

CEILINGS

- CL1 REMOVE ACOUSTIC CEILING SYSTEM COMPLETE.
- CL2 REMOVE DRYWALL CEILING SYSTEM COMPLETE.
- CL3 REMOVE PORTIONS OF DRYWALL CEILING AS REQUIRED FOR WORK ABOVE CEILING.

CASEWORK AND MILLWORK

- CM1 REMOVE CABINETS, COUNTERTOPS AND PLUMBING FIXTURES. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- CM2 REMOVE LAVATORY COUNTER AND SUPPORTS.
- CM3 REMOVE BOXCASES.
- CM4 REMOVE COUNTERTOP.

NOTE:

REMOVE FLOORING, BASE AND CEILINGS AT ALL EXISTING LOCATIONS UNLESS OTHERWISE NOTED



THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03766
T: 603 448 3778

CONSULTANTS / DESIGN TEAM:
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TOWN OF WOLFEBORO
PO BOX 629
WOLFEBORO, NH 03894

CONSTRUCTION MANAGER:
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132 S MAIN STREET
LACONIA, NH 03246
T: (603) 524-3776

CIVIL:
NORWAY PLAINS ASSOCIATES, INC
2 CONTINENTAL BLVD
ROCHESTER, NH 03867
T: (603) 335-3948

STRUCTURAL:
TMORAN, INC
48 CONSTITUTION DRIVE
BEDFORD, NH 03110
T: (603) 472-4488

ARCHITECT:
BANWELL ARCHITECTS, NH
6 SOUTH PARK STREET
LEBANON, NH 03766
T: (603) 448-3778

MEP/FP:
CHARLES P. BUCKLEY, P.E.
500 DEPOT STREET
RUMNEY, NH 03266
T: (603) 786-9992

VITAL INFORMATION REQUIRED FOR THE SUCCESSFUL COMPLETION OF THE WORK IS CONTAINED IN THE PROJECT MANUAL PREPARED FOR THIS PROJECT

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING:
DEMOLITION PLANS

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

AD101

ABBREVIATIONS LIST

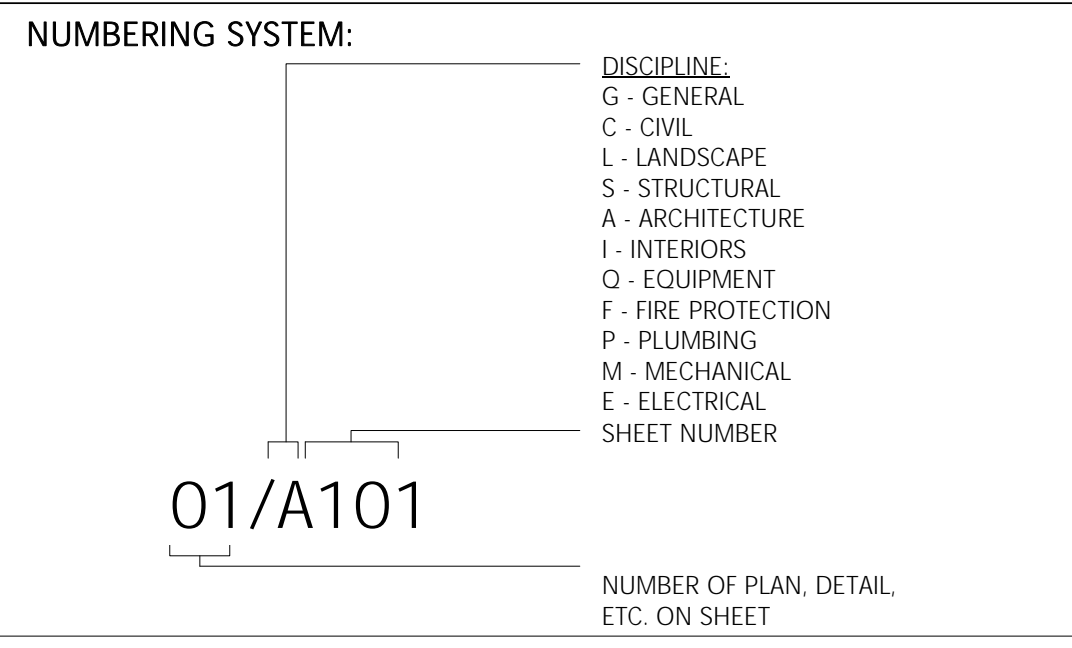
A/C	AIR CONDITION
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABV	ABOVE FINISHED FLOOR
ACC	ACCESSIBLE
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADMIN	ADMINISTRATION
ARCH	ARCHITECT
ASC	ABOVE SUSPENDED CEILING
ASSY	ASSEMBLY
AVG	AVERAGE
AW	ARCHITECTURAL WOODWORK
AWP	ACOUSTICAL WALL PANEL
BALC	BALCONY
BB	BASEBOARD
BC	BOOKCASE
BCS	BABY CHANGING STATION
BD	BOARD
BDRY	BOUNDARY
BFF	BELOW FINISH FLOOR
BHMA	BUILDERS' HARDWARE
	MANUFACTURER'S ASSOCIATION
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BLT IN	BUILT-IN
BN	BULLNOSE
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BP	BUILDING PAPER
BRKT	BRACKET
BSMT	BASEMENT
BTHW	BETWEEN
BUR	BUILT-UP ROOFING
C CONC	CAST CONCRETE
CAB	CABINET
CATW	CATWALK
CAV	CAVITY
CBB	CEMENTITIOUS (BACKER) BOARD
CD	CONSTRUCTION DOCUMENTS
CM	CONSTRUCTION MANAGER
CER	CERAMIC
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CFE	CONTRACTOR FURNISHED EQUIPMENT
CLG	COUNTERFLASHING
CFM	CUBIC FEET PER MINUTE
CFMF	COLD-FORMED METAL FRAMING
CFS	CUBIC FEET PER SECOND
CG	CORNER GUARD
CH	COAT HOOK
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLG DIFF	CEILING DIFFUSER
CLG HT	CEILING HEIGHT
CLL	COLUMN LINE
CLR	CLEAR
CLO	CLOSET
CLR	COLOR
CLRM	CLASSROOM
CMJ	CONCRETE MASONRY UNIT
CNDIS	CONDENSATE
CDR	CARD READER
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONC FLR	CONCRETE FLOOR
CONF	CONFERENCE
CONT	CONTINUE
COORD	COORDINATE
CORR	CORRIDOR
CP	CONCRETE PIPE
CPD	CARPET
CR	CONTROL ROOM
CS	CAST STONE
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTR	CENTER
CU FT	CUBIC FEET
CW	CASEMENT WINDOW
D	DEPTH
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIR	DIRECTION
DIST	DISTANCE
DIV	DIVISION
DN	DOWN
DOC	DOCUMENT
DR	DOOR
DS	DOWNSPOUT
D/W	DISHWASHER
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
ES	EACH SIDE
EL	ELEVATION
ELEV	ELEVATOR
ENTR	ENTRANCE
EPS	EXPANDED POLYSTYRENE BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATED
EX	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
EXTG	EXTINGUISHER
EXT GR	EXTERIOR GRADE

THE FOLLOWING TABLE OF ABBREVIATIONS IS FOR THE CONVENIENCE OF THE CONTRACTOR AND MAY NOT INCLUDE ALL ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROPERLY CONTACT THE ARCHITECT IF CLARIFICATIONS OR INTERPRETATION OF THESE OR ANY ABBREVIATIONS USED IN THE CONSTRUCTION DOCUMENTS IS REQUIRED.

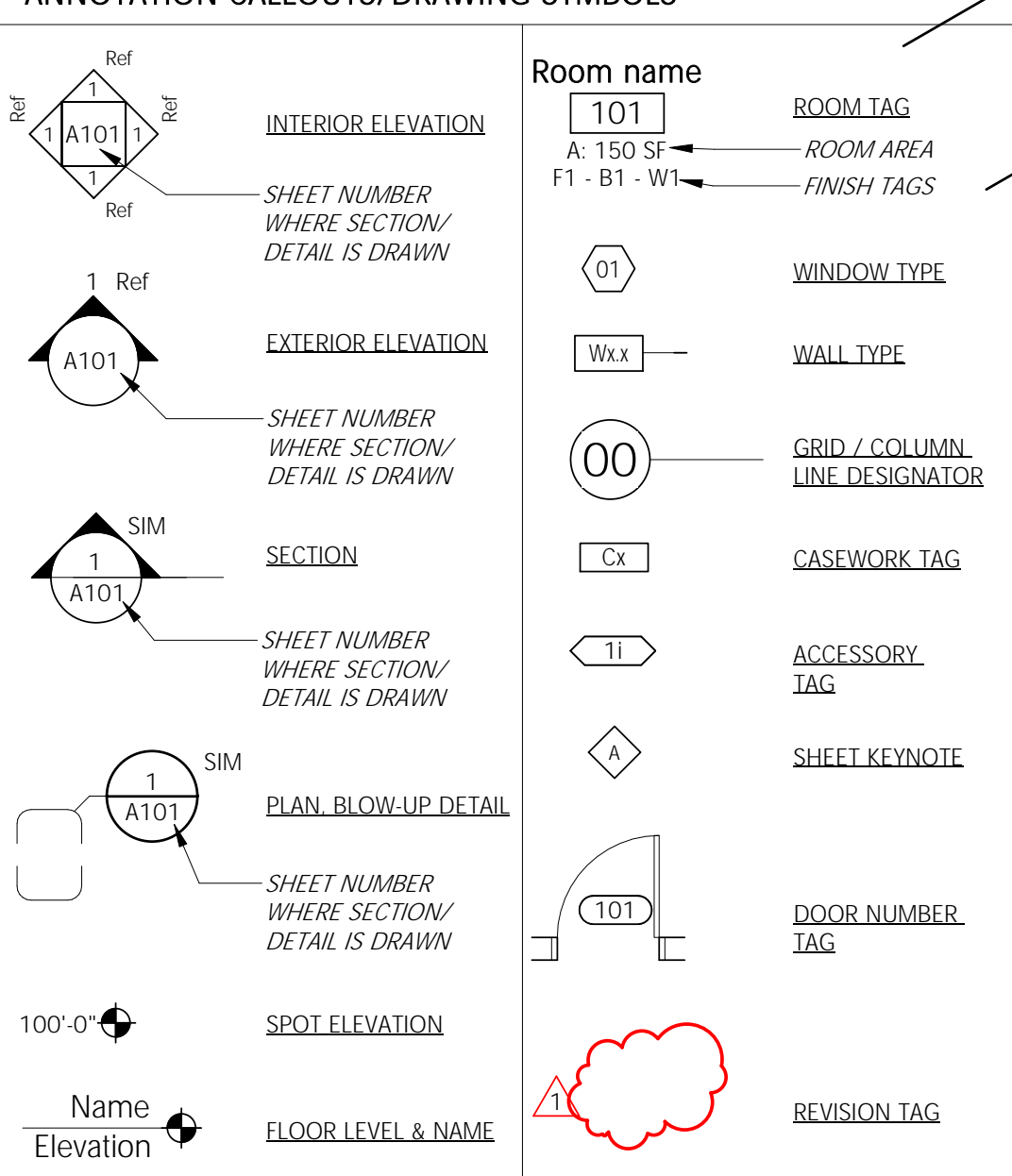
F	FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL	
FAS BD	FASCIA BOARD	
FCO	FLOOR CLEANOUT	
FDR	FLOOR DRAIN	
FDTN	FOUNDATION	
FE	FIRE EXTINGUISHER	
FEC	FIRE EXTINGUISHER CABINET	
FF	FINISH FACE	
FF EL	FINISH FLOOR ELEVATION	
FGL	FIBERGLASS	
FHP	FULL HEIGHT PARTITION	
FIN	FINISH	
FIN BS	FINISH BOTH SIDES	
FIN FLR	FINISH FLOOR	
FIN GR	FINISH GRADE	
FIXT	FIXTURE	
FLOG	FOLDING	
FLEX	FLEXIBLE	
FLG	FLOORING	
FLMT	FLUSH MOUNT	
FLR	FLOOR	
FM	FACTORY MUTUAL	
FCC	FACE OF CONCRETE	
FOM	FACE OF MASONRY	
FRG	FIBER REINFORCED GYPSUM	
FRMG	FRAMING	
FRP	FIBERGLASS REINFORCED PLASTIC	
FRTW	FIRE RETARDANT TREATED WOOD	
FSTNR	FASTENER	
GL	GLAZING	
GR FL	GROUND FLOOR	
GUT	GUTTER	
GWB	GYPSUM WALL BOARD	
GYP PLAS	GYPSUM PLASTER	
GYP SHTG	GYPSUM SHEATHING	
HB	HOSE BIBB	
HC	HANDICAPPED	
HD	HAND DRYER	
HDPE	HIGH DENSITY POLYETHYLENE	
HDW	HARDWARE	
HDWD	HARDWOOD	
HM	HOLLOW METAL	
HMD	HOLLOW METAL DOOR	
HORIZ	HORIZONTAL	
HT	HEIGHT	
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	
HYDR	HYDRAULIC	
IBC	INTERNATIONAL BUILDING CODE	
ID	INSIDE DIAMETER	
INCL	INCLUDE (ING)	
INSUL	INSULATION	
INT	INTERIOR	
ILO	IN LIEU OF	
INV	INVERT	
JANT	JANITOR	
KIT	KITCHEN	
KO	KNOCK OUT	
KPD	KEYPAD	
KPL	KICKPLATE	
LAM	LAMINATE	
LAV	LAVATORY	
LBS	POUNDS	
LDG	LANDING	
LF	LINEAR FEET (FOOT)	
LH	LEFT HAND	
LN	LINEAR	
LKR	LOCKER	
LOC	LOCATION	
LT	LIGHT	
LVR	LOUVER DOOR	
LVR	LOUVER	
MACH RM	MACHINE ROOM	
MANUF	MANUFACTURER	
MATL	MATERIAL	
MAX	MAXIMUM	
MECH	MECHANICAL	
MECH RM	MECHANICAL ROOM	
MEMB	MEMBRANE	
MFR	MILL FINISH	
MFR	MANUFACTURER	
MH	MOP HOLDER	
MID	MIDDLE	
MIN	MINIMUM, MINUTE	
MIRR	MIRROR	
MISC	MISCELLANEOUS	
MLDG	MOLDING (MOULDING)	
MO	MASONRY OPENING	
MOD	MODIFY	
MR	MOISTURE RESISTANT	
MTG	MOUNTING	
MTL	METAL	
MVBL	MOVABLE	
MWP	MEMBRANE WATERPROOFING	
N	NORTH	
NA	NOT APPLICABLE	
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	
NIC	NOT IN CONTRACT	
NO	NUMBER	
NCM	NOMINAL	
NP	NO PAINT	
NRC	NOISE REDUCTION COEFFICIENT	
NTS	NOT TO SCALE	
OC	ON CENTER	
OD	OUTSIDE DIAMETER	
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED	
OFOI	OWNER FURNISHED/OWNER INSTALLED	
OFD	OVERFLOW DRAIN	
OFF	OFFICE	
OGL	OBSCURE GLASS	
O/O	OUTSIDE TO OUTSIDE	
OPH	OPPOSITE HAND	
OPNG	OPENING	
OPP	OPPOSITE	
OPO	OPAQUE	
OWSJ	OPEN WEB STEEL JOIST	
OPER	OPERABLE	
ORD	OVERFLOW ROOF DRAIN	
ORIG	ORIGINAL	
PA	PUBLIC ADDRESS	
PAR	PARAPET	
PAT	PATTERN	
PB	PULL BOX	
PBD	PARTICLEBOARD	
PCC	PRECAST CONCRETE	
PCF	POUNDS PER CUBIC FOOT	
PD	PAPER TOWEL DISPENSER	
PERF	PERFORATED	

P	PERIM	PERIMETER
PH	PHASE	
PIL	PILASTER	
PL	PROPERTY LINE	
PLAM	PLASTIC LAMINATE	
PLAS	PLASTER	
PLBG	PLUMBING	
PLG	PILING	
PLYWD	PLYWOOD	
PNL	PANEL	
PP PL	PUSH/PULL PLATE	
PR	PAIR	
PRCST	PRECAST	
PRKG	PARKING	
PS CONC	PRESTRESSED CONCRETE	
PSF	POUNDS PER SQUARE FOOT	
PT	POUNDS PER SQUARE INCH	
PTD	PRESSURE TREATED	
PTN	PARTITION	
PVC	POLY VINYL CHLORIDE	
PWR	POWER	
QUARY	QUARRY TILE	
QTY	QUANTITY	
R	RADIUS	
RB	RESILIENT BASE	
RBR	RUBBER	
RC	REINFORCED CONCRETE	
RCF	REFLECTED CEILING PLAN	
RD	ROOF DRAIN	
ROG INS	RIGID INSULATION, SOLID	
RT	RECESSED	
FTG	FOOTING	
REF	REFERENCE	
REM	REMOVABLE	
REP	REPAIR	
REPL	REPLACE	
RECO	REQUIRE	
RESIL	RESILIENT	
REST	RESTROOM	
RF	RESILIENT FLOORING	
RFG	ROOFING	
RH	RIGHT HAND	
RHR	RIGHT HAND REVERSE	
RL	ROOF LEADER	
RLG	RAILING	
RM	ROOM	
RO	ROUGH OPENING	
RSV	ROLLING STEEL DOOR	
RD	ROOF VENT	
RVL	REVEAL	
SB	SPLASH BLOCK	
SCHD	SCHEDULE	
SD	SMOKE DETECTOR	
SF	SQUARE FOOT (FEET)	
SFTWD	SOFTWOOD	
SG	SINGLE	
SHT MTL	SHEET METAL (FLASHING)	
SHTHG	SHEATHING	
SHV	SHELVING	
SIM	SIMILAR	
SJ	SCORED JOINT	
SKLT	SKYLIGHT	
SMT	SEALANT	
SKK	SMOKE	
SMLS	SEAMLESS	
SND	SANITARY NAPKIN DISPENSER	
SPD	SOAP DISPENSER	
SP EL	SPOT ELEVATION	
SPEC	SPECIFICATION	
SO	SQUARE	
SO IN	SQUARE INCH	
SO YD	SQUARE YARD	
SS	SOLID SURFACE	
ST	STAINLESS STEEL	
STD	STAIRS	
STL	STANDARD	
STL JST	STEEL JOIST	
STL RF DK	STEEL ROOF DECK	
STR	STRINGERS	
STRUC	STRUCTURAL	
STRB/HRN	STROBE/HORN	
SUBFL	SUBFLOOR	
SUSP	SUSPENDED	
SV	SHEET VINYL	
SW	SIDEWALK	
T	TREAD	
T&B	TOP AND BOTTOM	
TBD	TO BE DETERMINED	
TD	TRENCH DRAIN	
TEL	TELEPHONE	
TEMP	TEMPORARY	
TFF	TOP OF FINISH FLOOR	
T&G	TONGUE AND GROOVE	
THK	THICKNESS	
TK BD	TACKBOARD	
TMPP GL	TEMPERED GLASS	
TN	TRUE NORTH	
TOP	TOP OF	
TOM	TOP OF FINISH FLOOR	
TOP	TOP OF MASONRY	
TOP	TOP OF PARAPET	
TOPO	TOPOGRAPHY	
TOS	TOP OF SLAB	
TP	TOILET PAPER DISPENSER	
TRANS	TRANSPARENT	
TRTD	TREATED	
TV	TELEVISION	
UC	UNDERCUT	
UNO	UNLESS OTHERWISE NOTED	
VB	VAPOR BARRIER	
VFY	VERIFY	
VIF	VERIFY IN FIELD	
VERT	VERTICAL	
VCT	VINYL COMPOSITION TILE	
VWC	VINYL WALL COVERING	
W	WITH	
W/O	WITHOUT	
WBF	WATER BOTTLE FILLER	
WC	WATER CLOSET	
WD	WOOD	
WR	WASTE RECEPTACLE	
WWF	WELDED WIRE FABRIC	

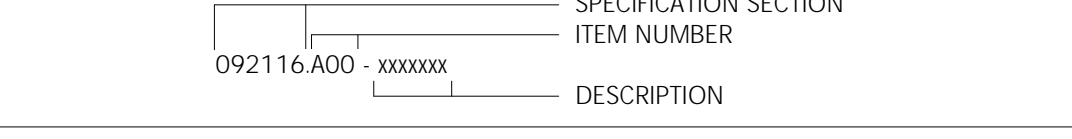
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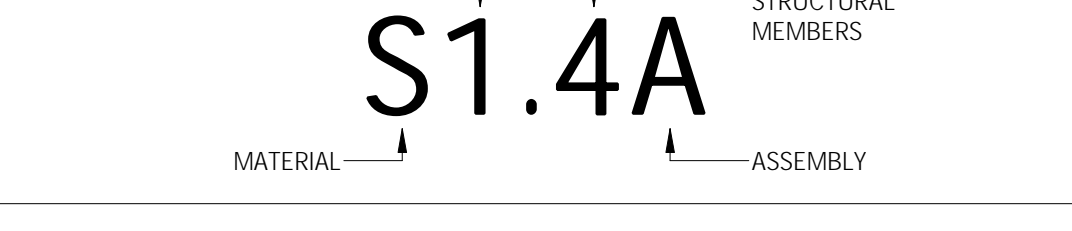
LEGEND



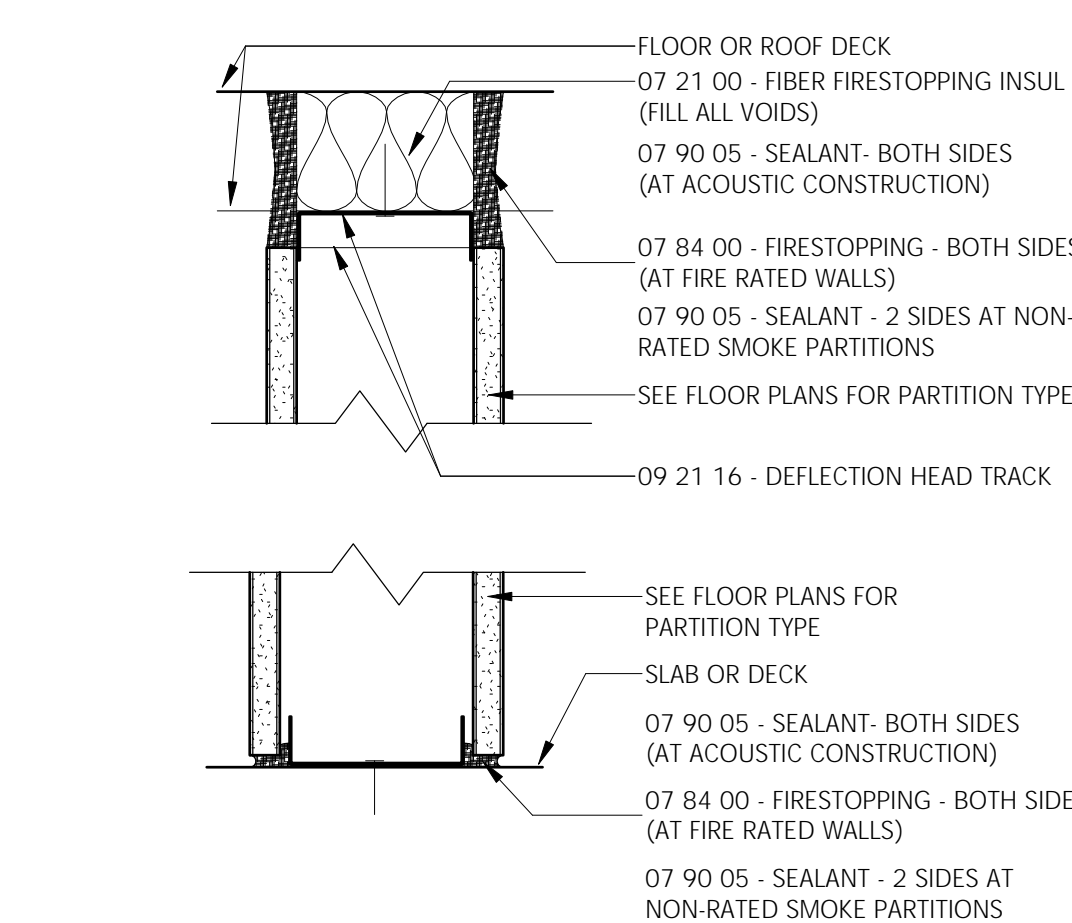
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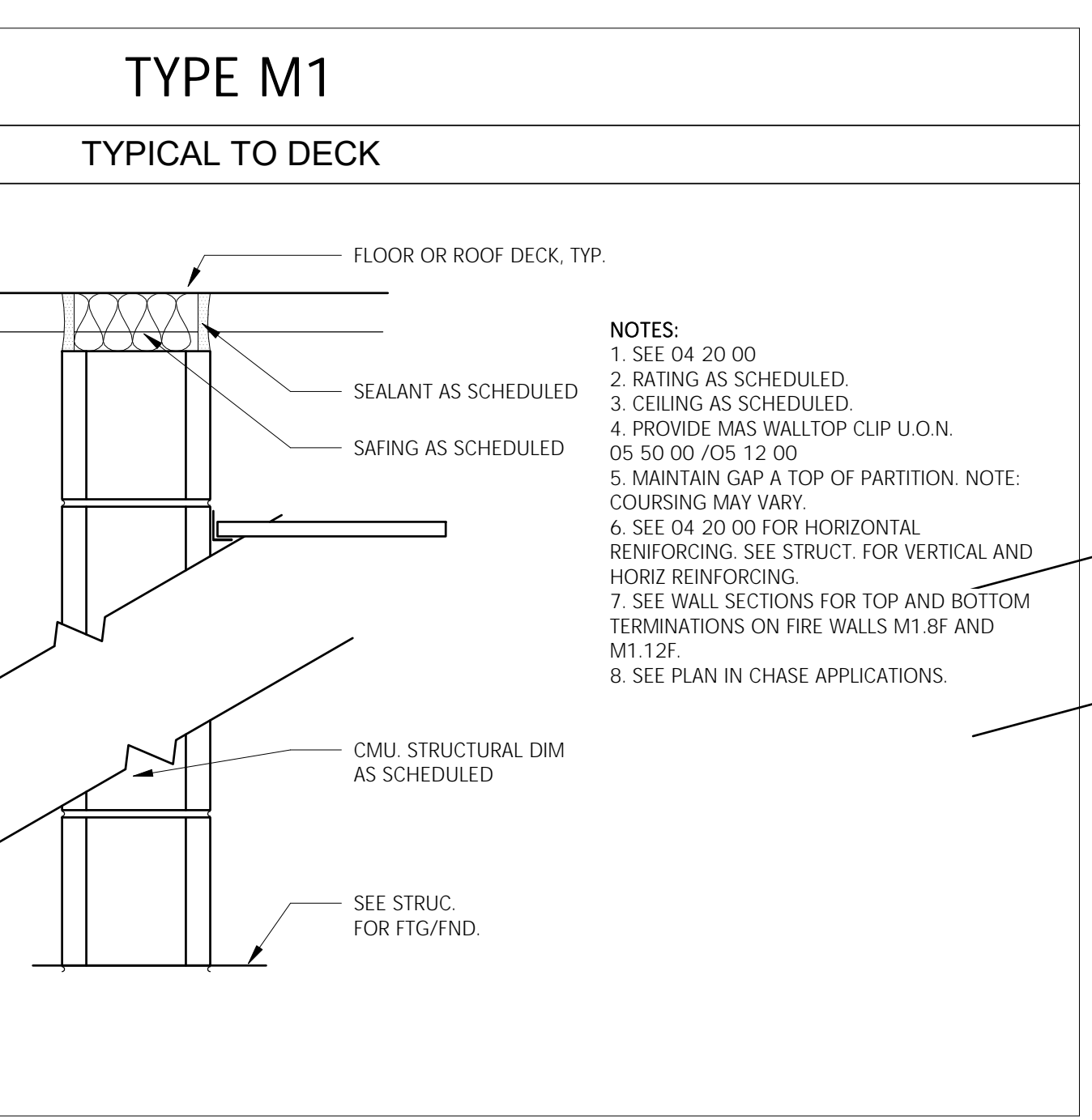
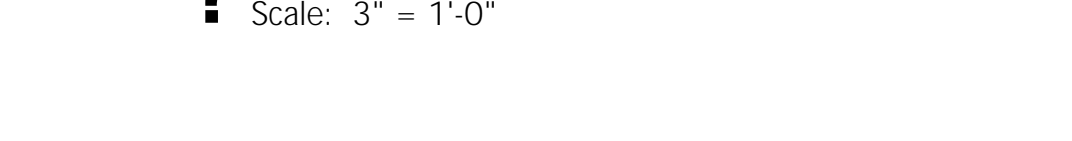
PARTITION KEY



METAL STUD TYPICAL SEALANT/FIRESTOP at PARTITION SILL & HEAD DETAIL

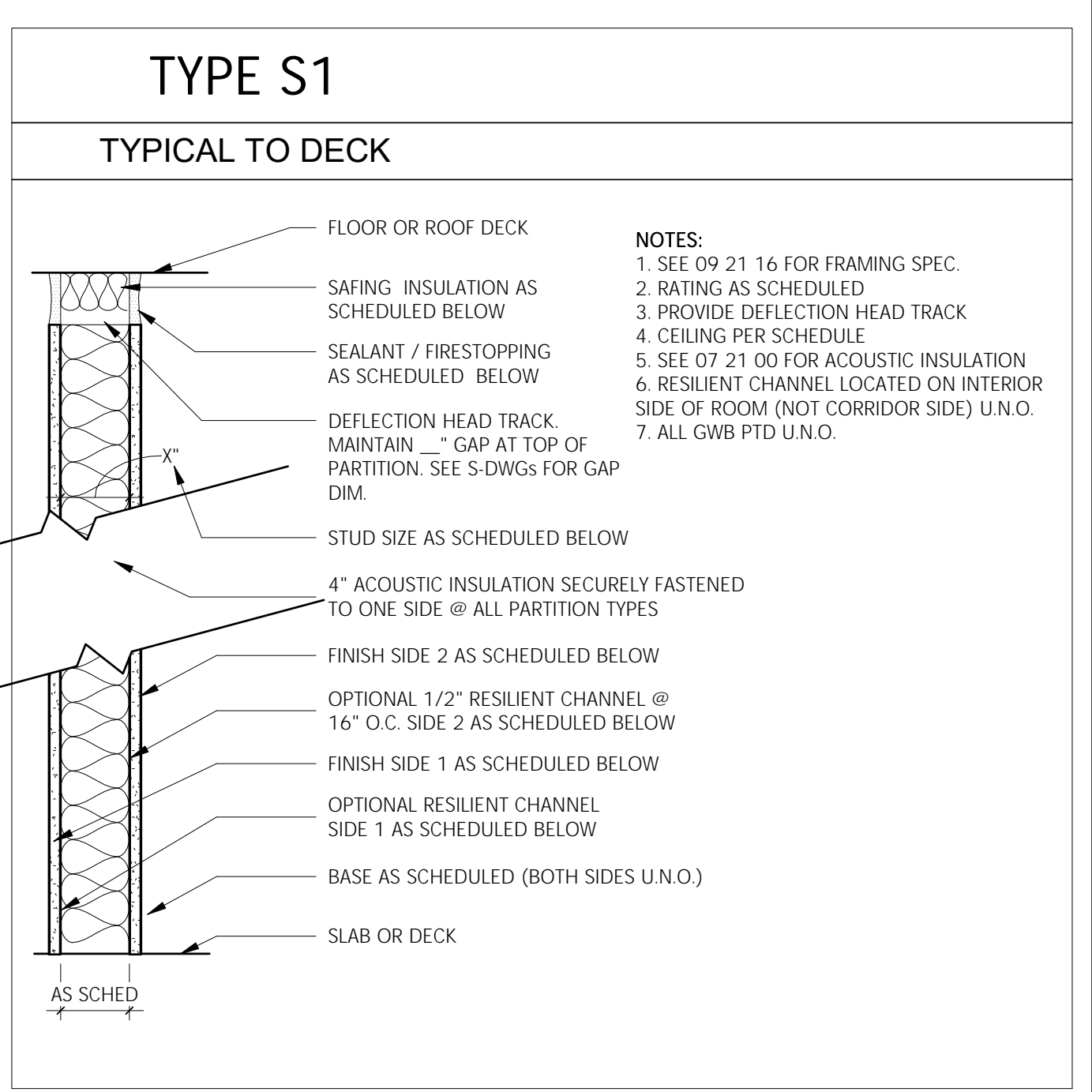
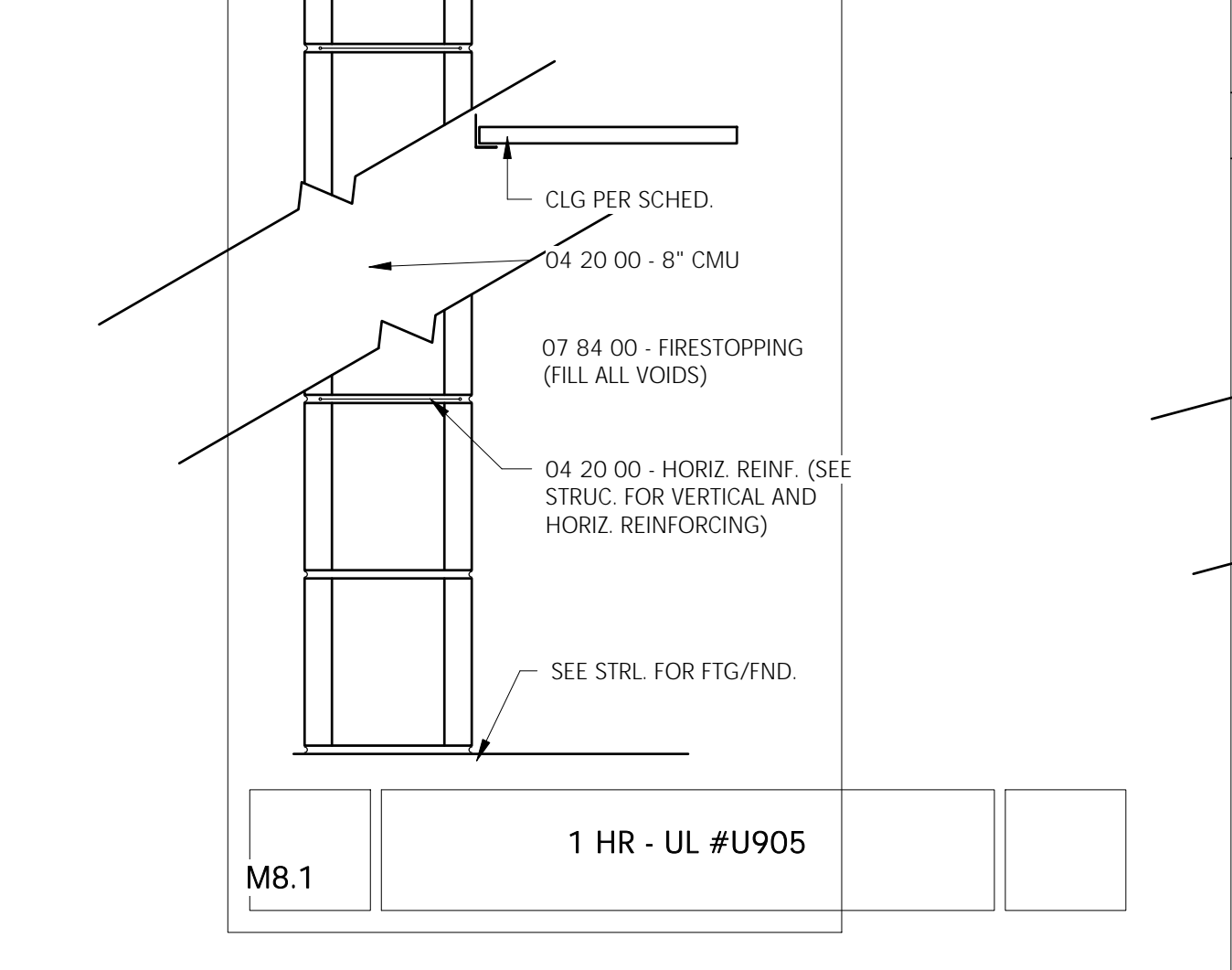
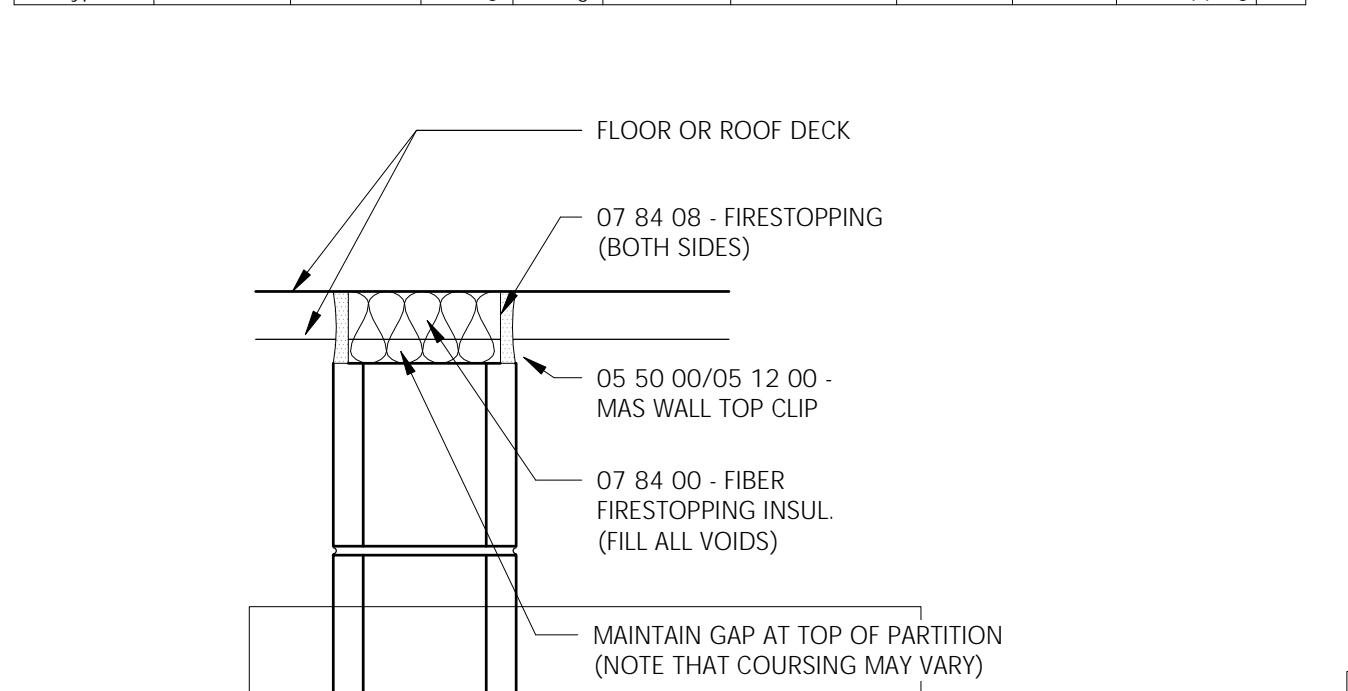


WALL - PARTITION - GENERAL DETAILS



WALL SCHEDULE M1

Type	Finish Side 1	Finish Side 2	Fire Rating	Safing	Acoustic Insulation	Comments	Type Mark	Struct Dimension	Sealant / Firestopping	STC
S1.4A	3 5/8" STUD	5/8" GYP	5/8" GYP	1HR	Yes		S1.4A	07 92 00		
S1.4F	3 5/8" STUD	5/8" GYP	5/8" GYP	1HR	Yes		S1.4F	07 84 00		
S1.6A	6" STUD	5/8" GYP	5/8" GYP		Yes		S1.6A	07 92 00		
S1.6B	6" STUD	2 x 5/8" GYP	5/8" GYP		Yes		S1.6B	07 92 00		
S1.6C	6" STUD	2 x 5/8" GYP	2 x 5/8" GYP		Yes		S1.6C	07 92 00		



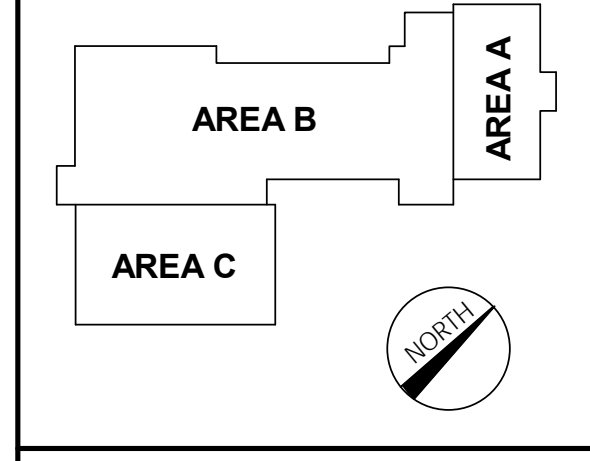
WALL SCHEDULE S1

Type	Struct Dim	Finish Side 1	Finish Side 2	Fire Rating	Safing	Comments	Type Mark	Sealant / Firestopping	STC
S1.4A	3 5/8" STUD	5/8" GYP	5/8" GYP		Yes		S1.4A</		

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



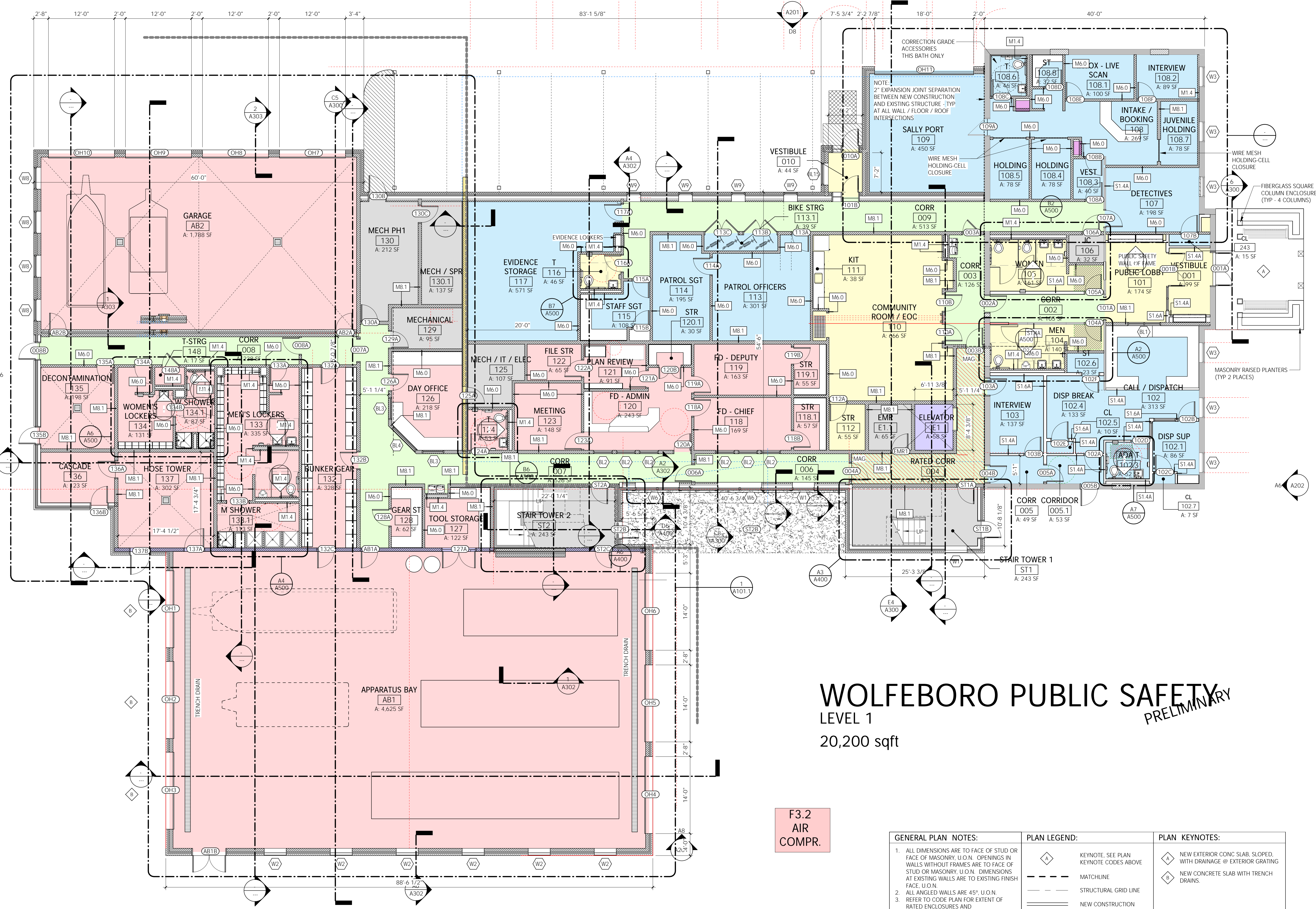
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING
LEVEL 1 FLOOR PLAN

PROJECT NO: 22-950 | DATE: 05-31-2023
SHEET NUMBER:

A101



WOLFEBORO PUBLIC SAFETY

LEVEL 1

20,200 sqft

PRELIMINARY

F3.2
AIR
COMPR.

GENERAL PLAN NOTES:	PLAN LEGEND:	PLAN KEYNOTES:
1. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY. U.O.N. OPENINGS IN WALLS WITHOUT FRAMES ARE TO FACE OF STUD OR MASONRY. U.O.N. DIMENSIONS AT EXISTING WALLS ARE TO EXISTING FINISH FACE. U.O.N.	KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE	NEW EXTERIOR CONC SLAB, SLOPED, WITH DRAINAGE @ EXTERIOR GRATING
2. ALL ANGLED WALLS ARE 45° U.O.N.	MATCHLINE	NEW CONCRETE SLAB WITH TRENCH DRAINS.
3. REFER TO CODE PLAN FOR EXTENT OF RATED ENCLOSURES AND FIRE/SMOKEPROOFING.	STRUCTURAL GRID LINE	
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.	NEW CONSTRUCTION	
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS.	EXISTING CONSTRUCTION TO REMAIN	
	NEW DOOR AND FRAME	
	EXISTING DOOR TO REMAIN	

- CIRCULATION
- FACILITIES
- FIRE
- POLICE
- PUBLIC

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CIVIL:
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 2 CONTINENTAL BLVD
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 T: (603) 335-3948

STRUCTURAL:
 TFMORAN, INC.
 48 CONSTITUTION DRIVE
 BEDFORD, NH 03110
 T: (603) 472-4488

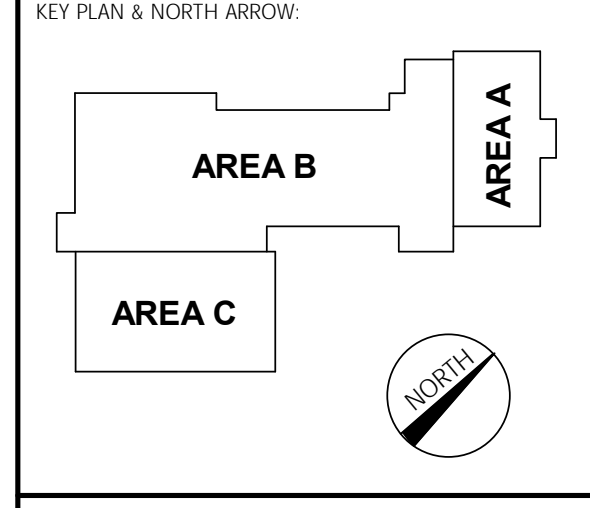
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 6 SOUTH PARK STREET
 LEBANON, NH 03766
 T: (603) 448-3778

MEP/FP:
 CHARLES P. BUCKLEY, P.E.
 500 DEPOT STREET
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 T: (603) 786-9992

VITAL INFORMATION REQUIRED FOR THE
 SUCCESSFUL COMPLETION OF THE
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 MANUAL PREPARED FOR THIS PROJECT

PROGRESS SET
 NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS



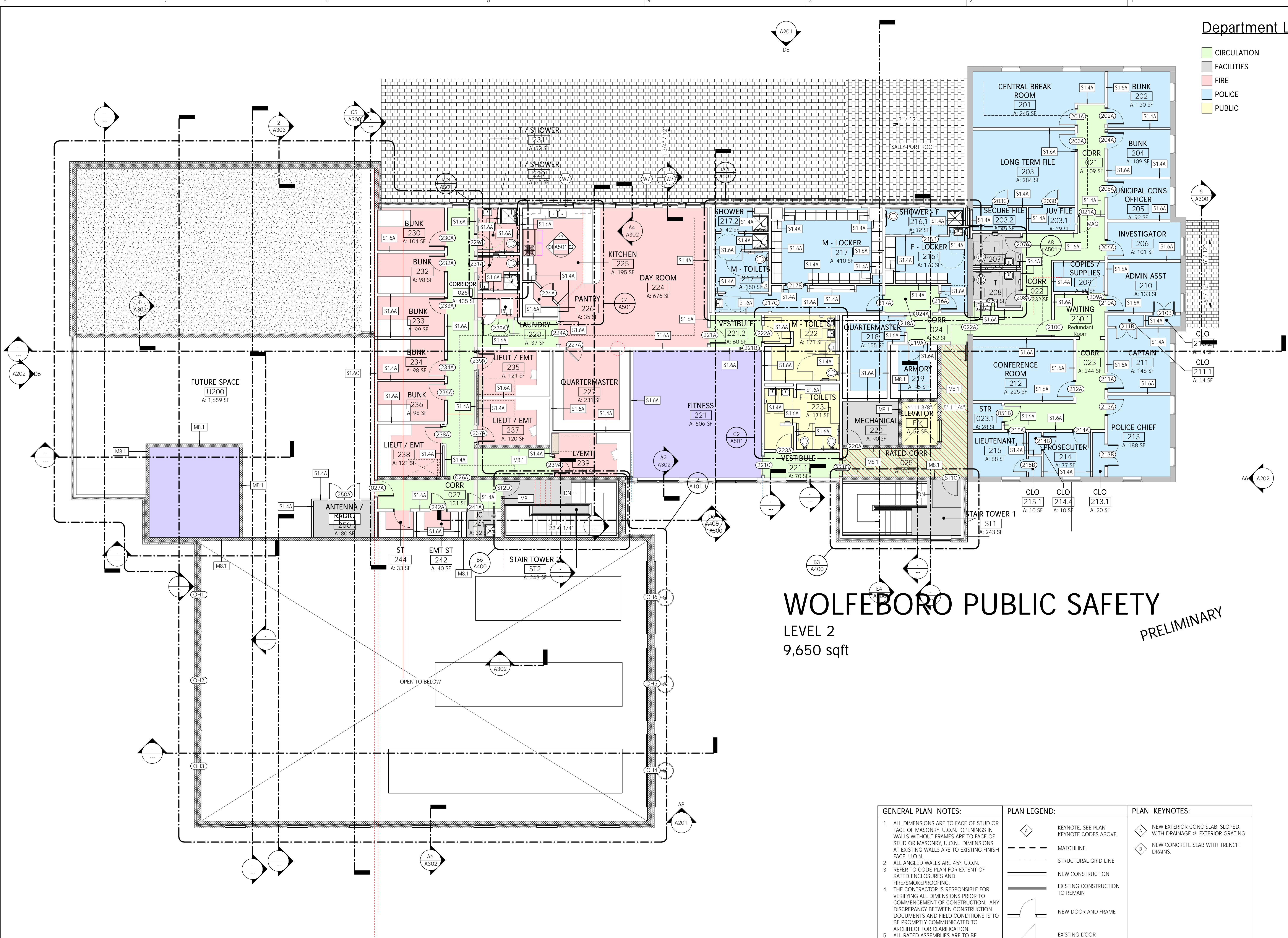
PROJECT:
 WOLFEBORO PUBLIC SAFETY
 BUILDING
 251 SOUTH MAIN STREET,
 WOLFEBORO, NH

ISSUED:
 DESIGN DEVELOPMENT

DRAWING:
 LEVEL 2 FLOOR PLAN

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

A102



WOLFEBORO PUBLIC SAFETY

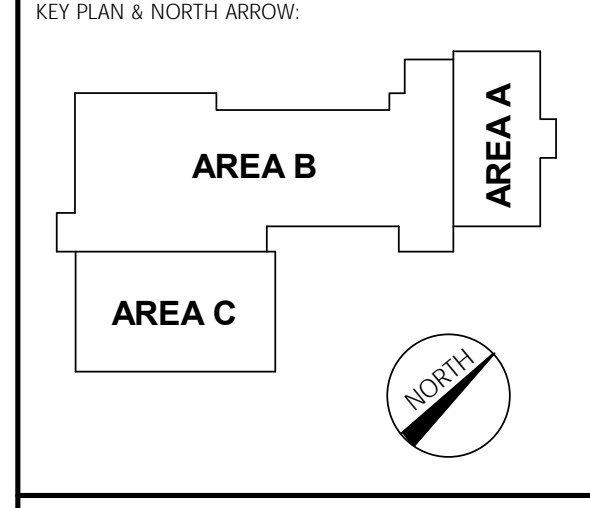
LEVEL 2 9,650 sqft

PRELIMINARY

GENERAL PLAN NOTES:	PLAN LEGEND:	PLAN KEYNOTES:
1. ALL DIMENSIONS ARE TO FACE OF STUD OR FACE OF MASONRY. U.O.N. OPENINGS IN WALLS WITHOUT FRAMES ARE TO FACE OF STUD OR MASONRY. U.O.N. DIMENSIONS AT EXISTING WALLS ARE TO EXISTING FINISH FACE. U.O.N.	KEYNOTE, SEE PLAN KEYNOTE CODES ABOVE	NEW EXTERIOR CONC SLAB, SLOPED, WITH DRAINAGE @ EXTERIOR GRATING
2. ALL ANGLED WALLS ARE 45°. U.O.N.	MATCHLINE	NEW CONCRETE SLAB WITH TRENCH DRAINS.
3. REFER TO CODE PLAN FOR EXTENT OF RATED ENCLOSURES AND FIRE/SMOKEPROOFING.	STRUCTURAL GRID LINE	
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.	NEW CONSTRUCTION	
5. ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS.	EXISTING CONSTRUCTION TO REMAIN	
	NEW DOOR AND FRAME	
	EXISTING DOOR TO REMAIN	

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS



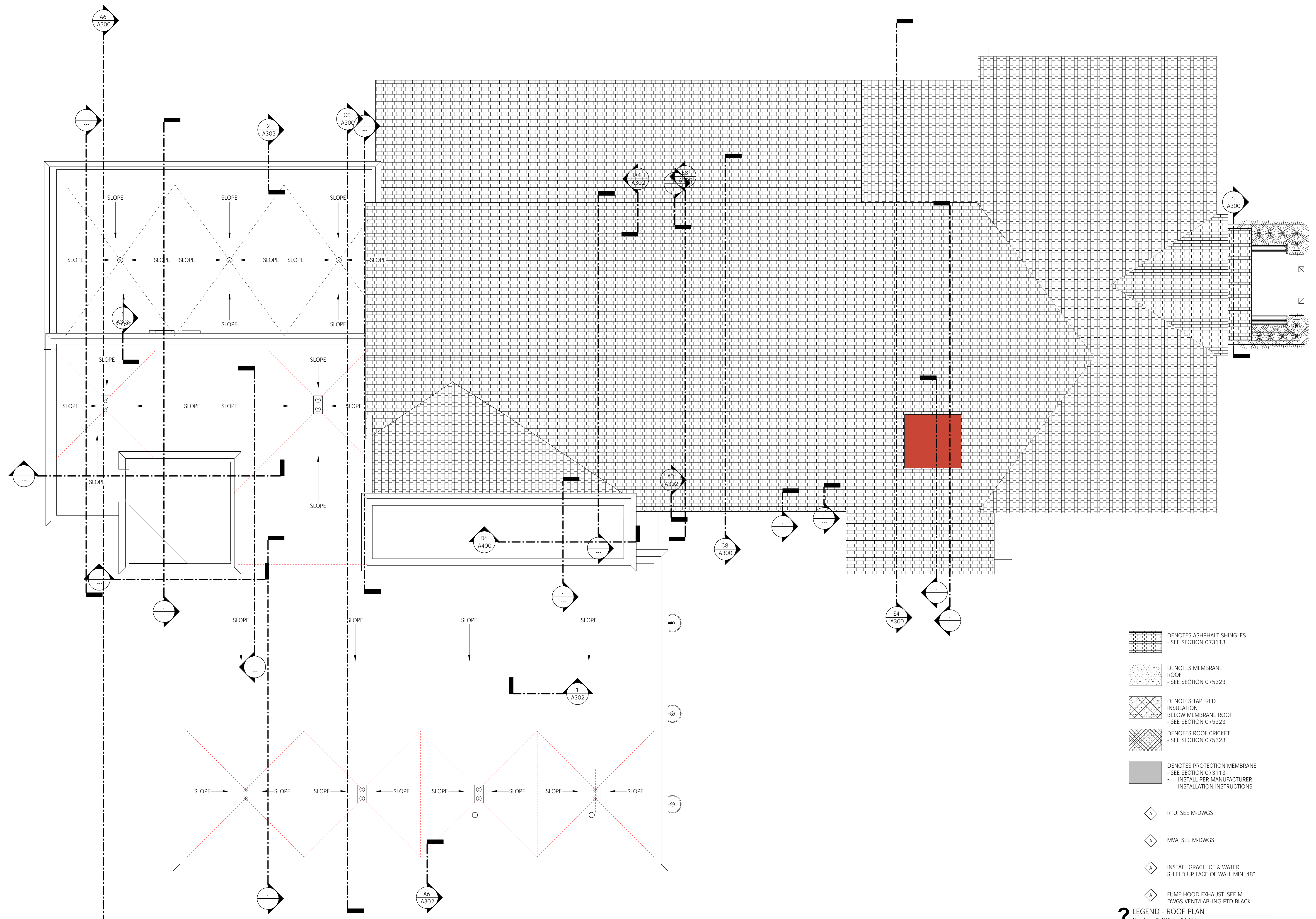
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING:
ROOF PLAN

PROJECT NO: 22-950 DATE: 05-31-2023

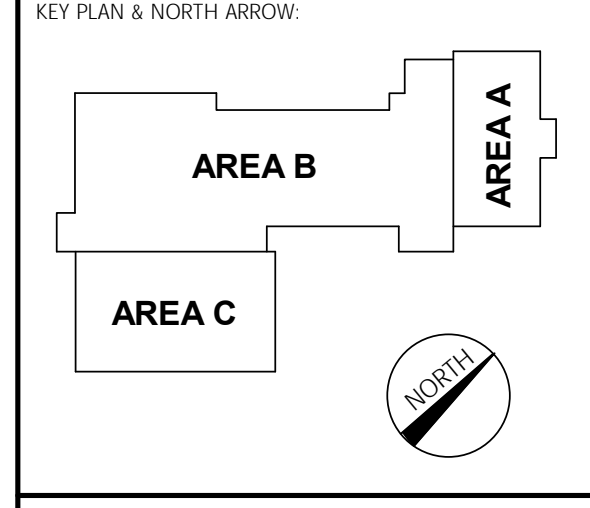
SHEET NUMBER:
A103



- DENOTES ASPHALT SHINGLES
- SEE SECTION 073113
 - DENOTES MEMBRANE ROOF
- SEE SECTION 075323
 - DENOTES TAPERED INSULATION BELOW MEMBRANE ROOF
- SEE SECTION 075323
 - DENOTES ROOF CRICKET
- SEE SECTION 075323
 - DENOTES PROTECTION MEMBRANE
- SEE SECTION 073113
- INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS
 - RTU, SEE M-DWGS
 - MVA, SEE M-DWGS
 - INSTALL GRACE ICE & WATER SHIELD UP FACE OF WALL MIN. 48"
 - FUME HOOD EXHAUST, SEE M-DWGS VENT/LABELING PTD BLACK
- ? LEGEND - ROOF PLAN**
Scale: 1/8" = 1'-0"

1 ROOF - FLOOR PLAN
Scale: 1/8" = 1'-0"

REVISION	DATE	COMMENTS



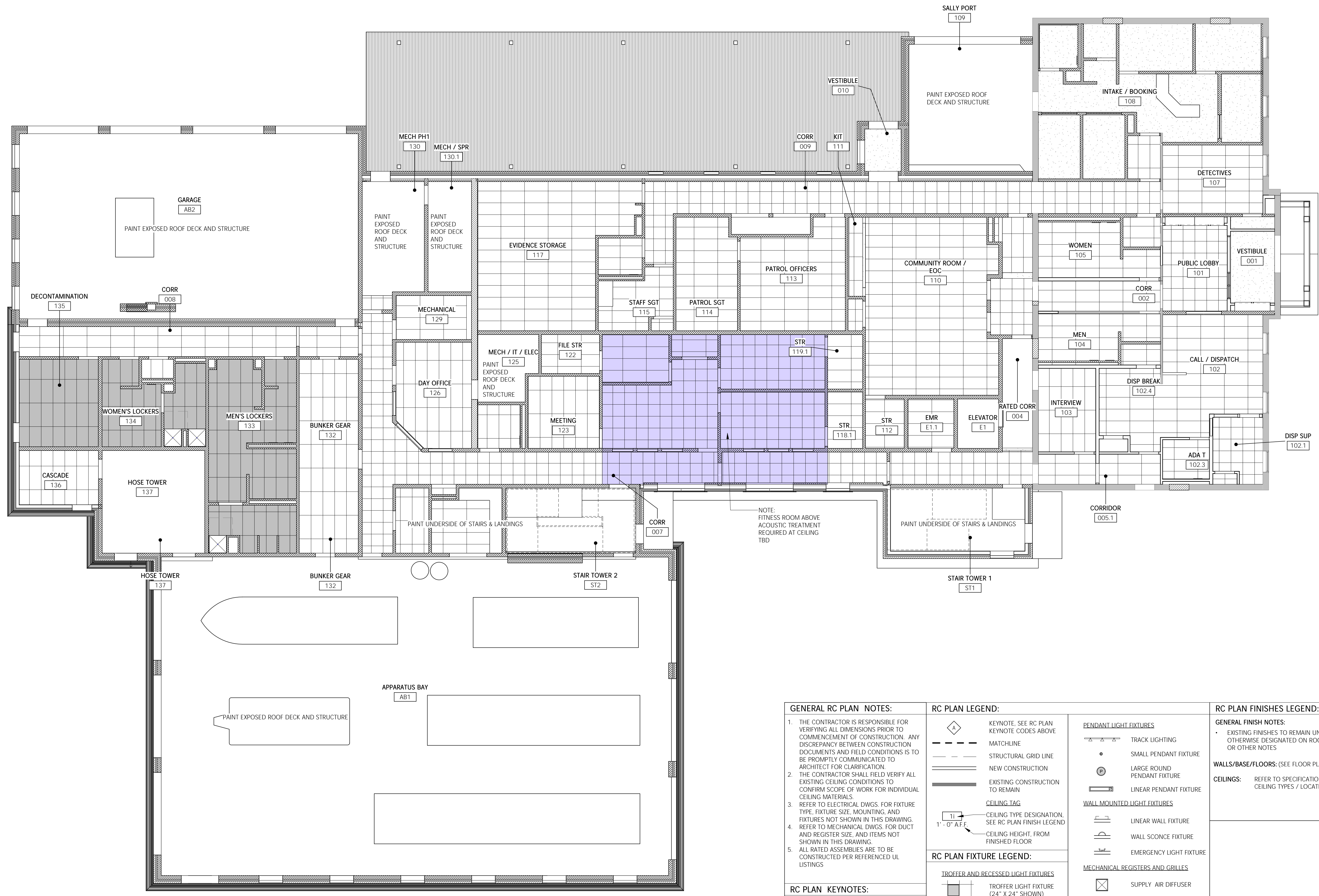
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING
LEVEL 1 REFLECTED CEILING PLAN

PROJECT NO: 22-950 DATE: 05-31-2023
SHEET NUMBER:

A121



GENERAL RC PLAN NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CEILING CONDITIONS TO CONFIRM SCOPE OF WORK FOR INDIVIDUAL CEILING MATERIALS.
- REFER TO ELECTRICAL DWGS. FOR FIXTURE TYPE, FIXTURE SIZE, MOUNTING, AND FIXTURES NOT SHOWN IN THIS DRAWING. REFER TO MECHANICAL DWGS. FOR DUCT AND REGISTER SIZE, AND ITEMS NOT SHOWN IN THIS DRAWING.
- ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS.

RC PLAN KEYNOTES:

A. TEXT HERE

RC PLAN LEGEND:

	KEYNOTE. SEE RC PLAN KEYNOTE CODES ABOVE
	MATCHLINE
	STRUCTURAL GRID LINE
	NEW CONSTRUCTION
	EXISTING CONSTRUCTION TO REMAIN
	CEILING TAG
	CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND
	CEILING HEIGHT, FROM FINISHED FLOOR

RC PLAN FIXTURE LEGEND:

	TROFFER AND RECESSED LIGHT FIXTURES
	TROFFER LIGHT FIXTURE (24" X 24" SHOWN)
	RECESSED CAN FIXTURE
	DIRECTIONAL RECESSED CAN FIXTURE
	SURFACE MOUNTED LIGHT FIXTURES
	LINEAR SURFACE MOUNTED FIXTURE
	ROUND SURFACE MOUNTED FIXTURE
	LINEAR UTILITY SURFACE MOUNTED FIXTURE

PENDANT LIGHT FIXTURES:

	TRACK LIGHTING
	SMALL PENDANT FIXTURE
	LARGE ROUND PENDANT FIXTURE
	LINEAR PENDANT FIXTURE

WALL MOUNTED LIGHT FIXTURES:

	LINEAR WALL FIXTURE
	WALL SCONCE FIXTURE
	EMERGENCY LIGHT FIXTURE

MECHANICAL REGISTERS AND GRILLES:

	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE or RECESSED EXHAUST FAN

MISCELLANEOUS FIXTURES:

	CEILING FAN
	EXIT SIGN

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

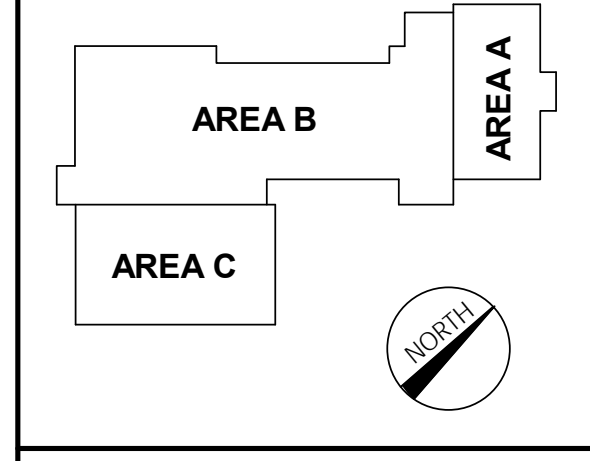
WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILING: REFER TO SPECIFICATIONS FOR CEILING TYPES / LOCATIONS

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:



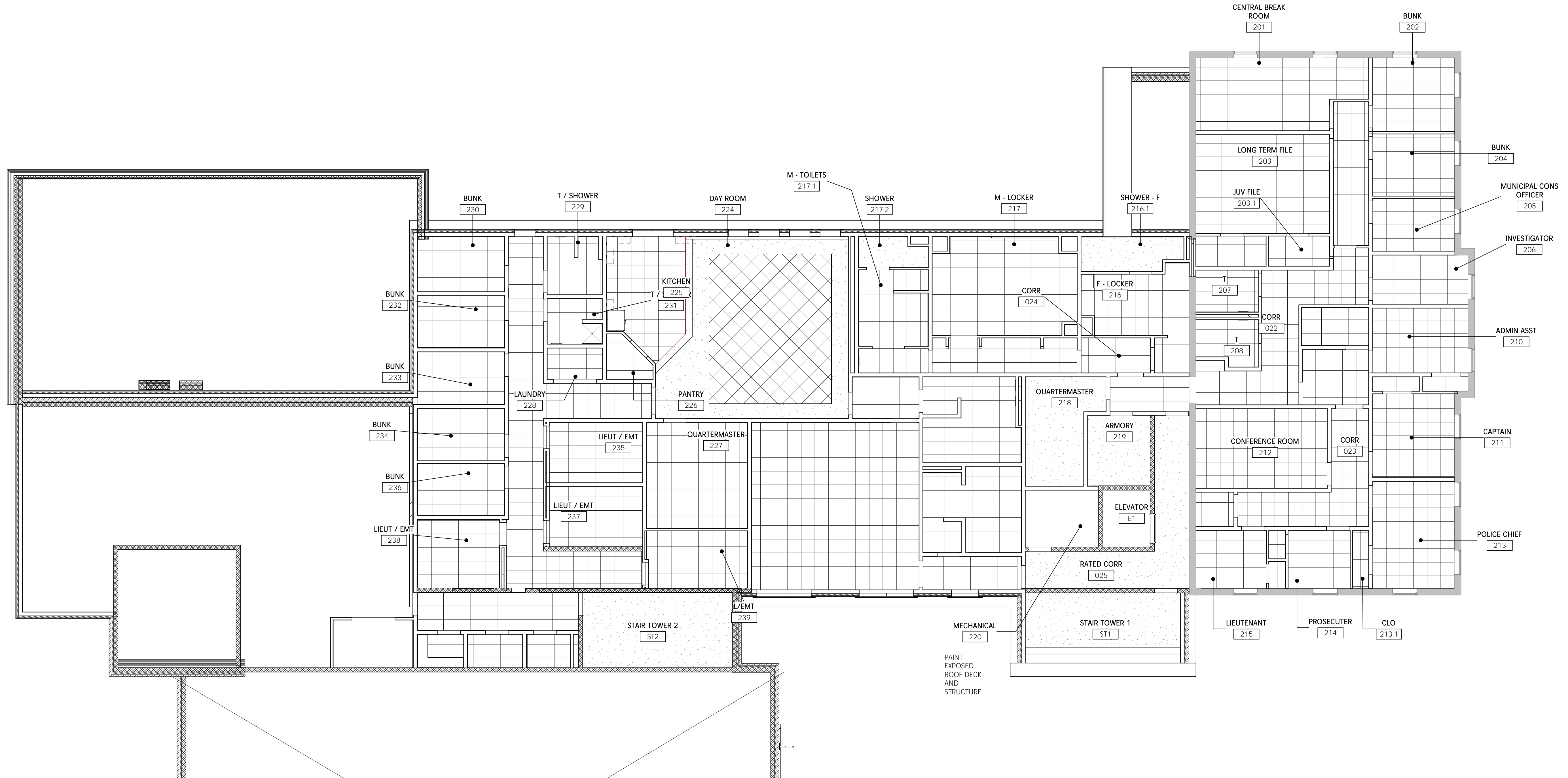
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING:
LEVEL 2 REFLECTED CEILING PLAN

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

A122



01 LEVEL 2 CEILING PLAN
Scale: 1/8" = 1'-0"

GENERAL RC PLAN NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS IS TO BE PROMPTLY COMMUNICATED TO ARCHITECT FOR CLARIFICATION.
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- REFER TO ELECTRICAL DWGS. FOR FIXTURE TYPE, FIXTURE SIZE, MOUNTING, AND FIXTURES NOT SHOWN IN THIS DRAWING.
- REFER TO MECHANICAL DWGS. FOR DUCT AND REGISTER SIZE, AND ITEMS NOT SHOWN IN THIS DRAWING.
- ALL RATED ASSEMBLIES ARE TO BE CONSTRUCTED PER REFERENCED UL LISTINGS

RC PLAN KEYNOTES:

A. TEXT HERE

RC PLAN LEGEND:

KEYNOTE: SEE RC PLAN KEYNOTE CODES ABOVE

MATCHLINE

STRUCTURAL GRID LINE

NEW CONSTRUCTION

EXISTING CONSTRUCTION TO REMAIN

CEILING TAG

CEILING TYPE DESIGNATION, SEE RC PLAN FINISH LEGEND

CEILING HEIGHT, FROM FINISHED FLOOR

RC PLAN FIXTURE LEGEND:

TROFFER AND RECESSED LIGHT FIXTURES

TROFFER LIGHT FIXTURE (24" X 24" SHOWN)

RECESSED CAN FIXTURE

DIRECTIONAL RECESSED CAN FIXTURE

SURFACE MOUNTED LIGHT FIXTURES

LINEAR SURFACE MOUNTED FIXTURE

ROUND SURFACE MOUNTED FIXTURE

LINEAR UTILITY SURFACE MOUNTED FIXTURE

PENDANT LIGHT FIXTURES

TRACK LIGHTING

SMALL PENDANT FIXTURE

LARGE ROUND PENDANT FIXTURE

LINEAR PENDANT FIXTURE

WALL MOUNTED LIGHT FIXTURES

LINEAR WALL FIXTURE

WALL SCONCE FIXTURE

EMERGENCY LIGHT FIXTURE

MECHANICAL REGISTERS AND GRILLES

SUPPLY AIR DIFFUSER

RETURN AIR GRILLE OR RECESSED EXHAUST FAN

MISCELLANEOUS FIXTURES

CEILING FAN

EXIT SIGN

RC PLAN FINISHES LEGEND:

GENERAL FINISH NOTES:

- EXISTING FINISHES TO REMAIN UNLESS OTHERWISE DESIGNATED ON ROOM TAGS OR OTHER NOTES

WALLS/BASE/FLOORS: (SEE FLOOR PLANS)

CEILINGS: C0 - EXISTING TO REMAIN, PTD
C1 -
C2 -

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

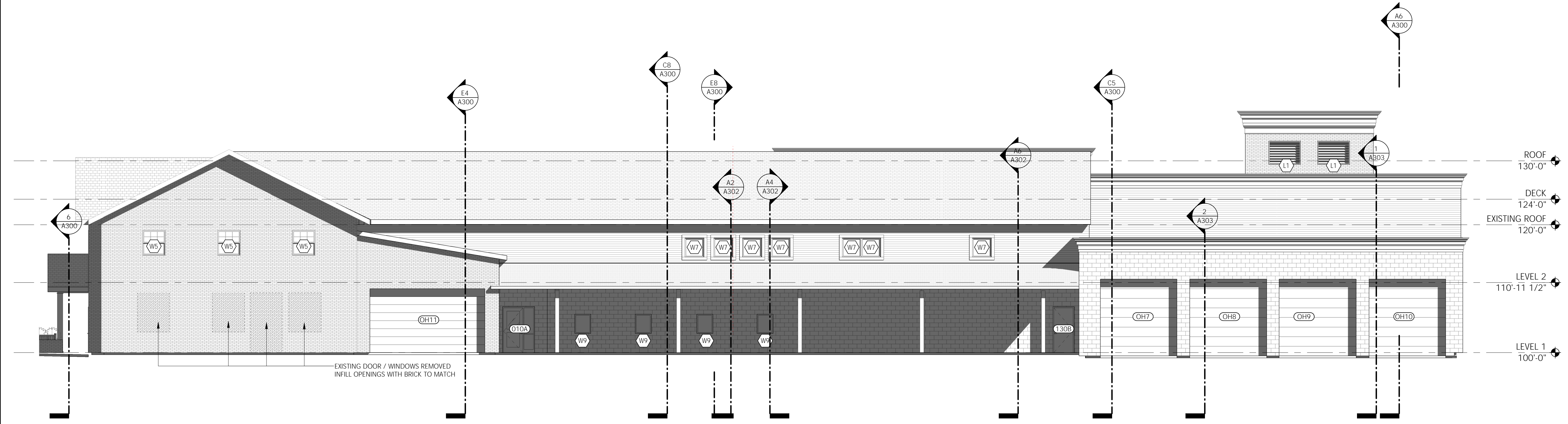
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

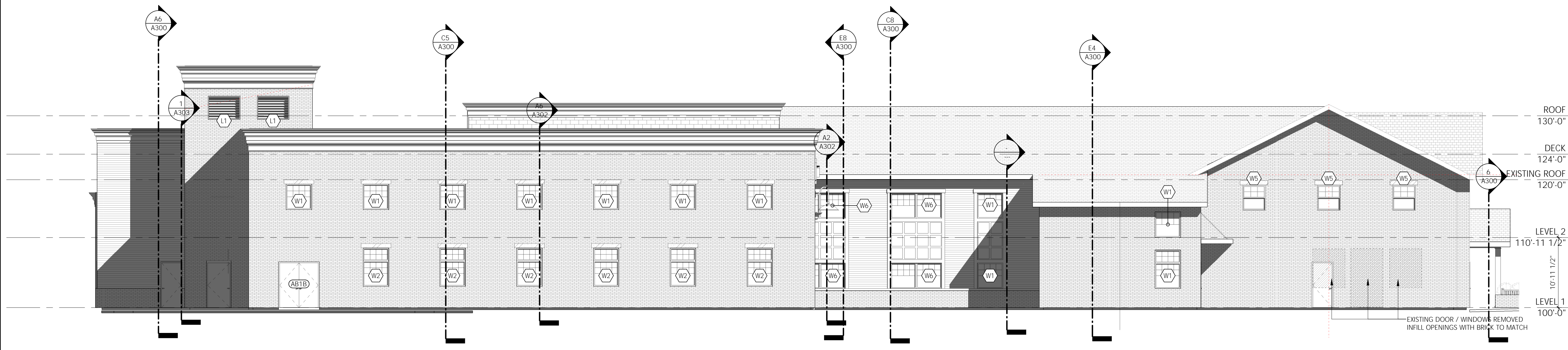
DRAWING:
EXTERIOR ELEVATIONS

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

A201



D8 NORTH ELEVATION
Scale: 1/8" = 1'-0"



A8 SOUTH ELEVATION
Scale: 1/8" = 1'-0"

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

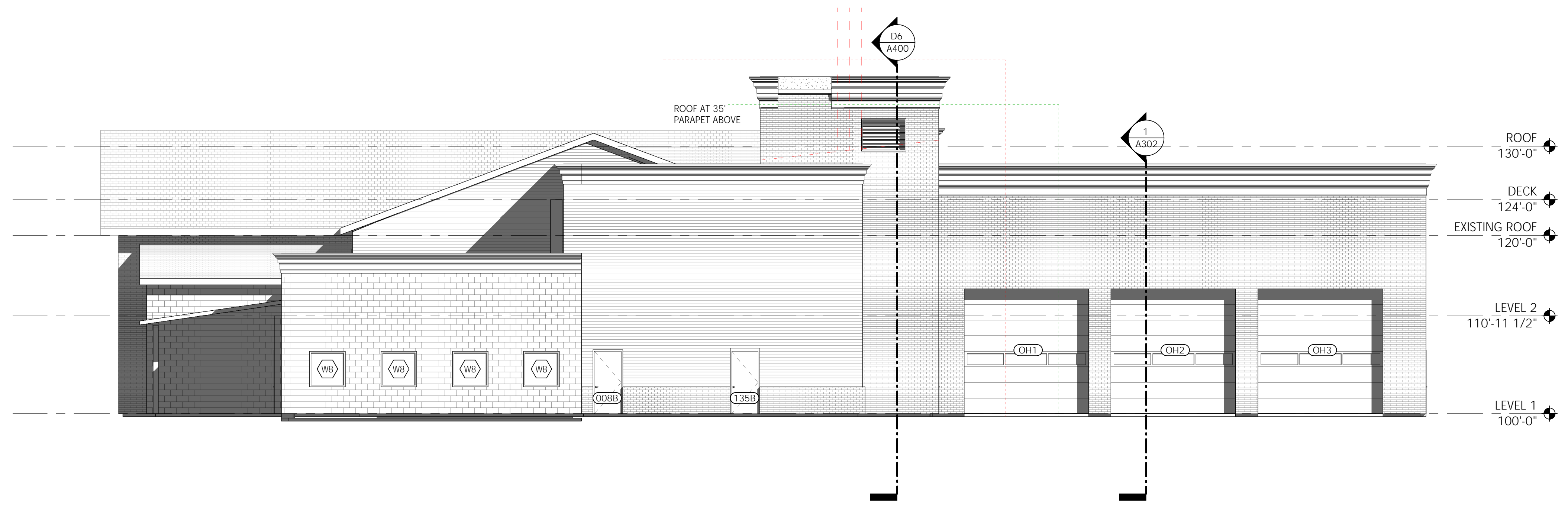
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

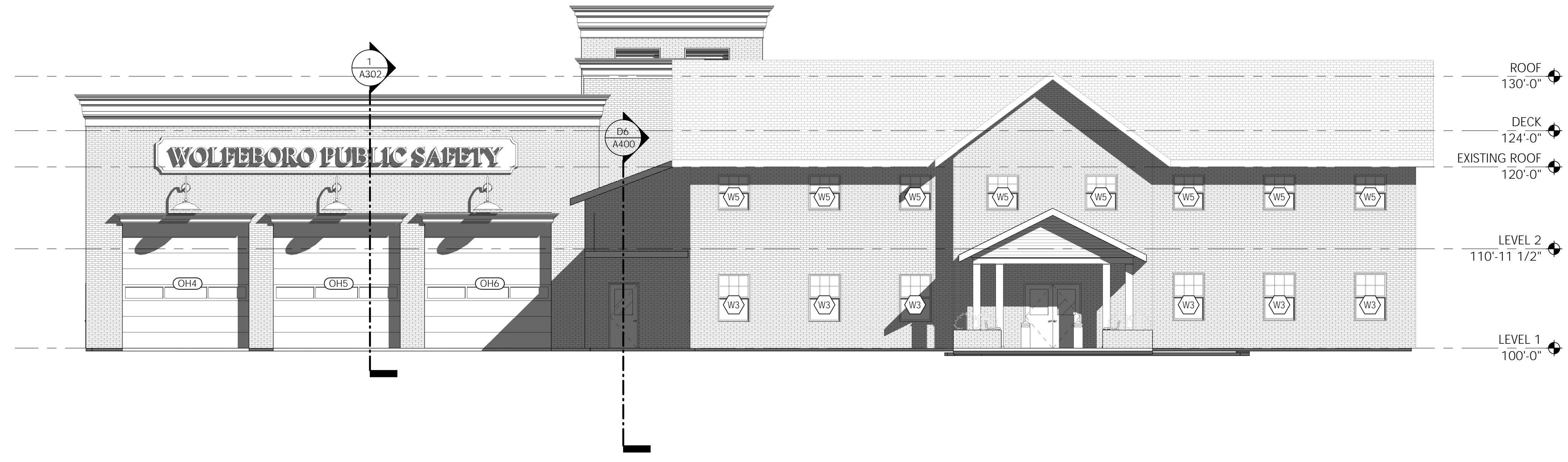
DRAWING:
EXTERIOR ELEVATIONS

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

A202



D6 WEST ELEVATION
Scale: 1/8" = 1'-0"



A6 EAST ELEVATION
Scale: 1/8" = 1'-0"

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

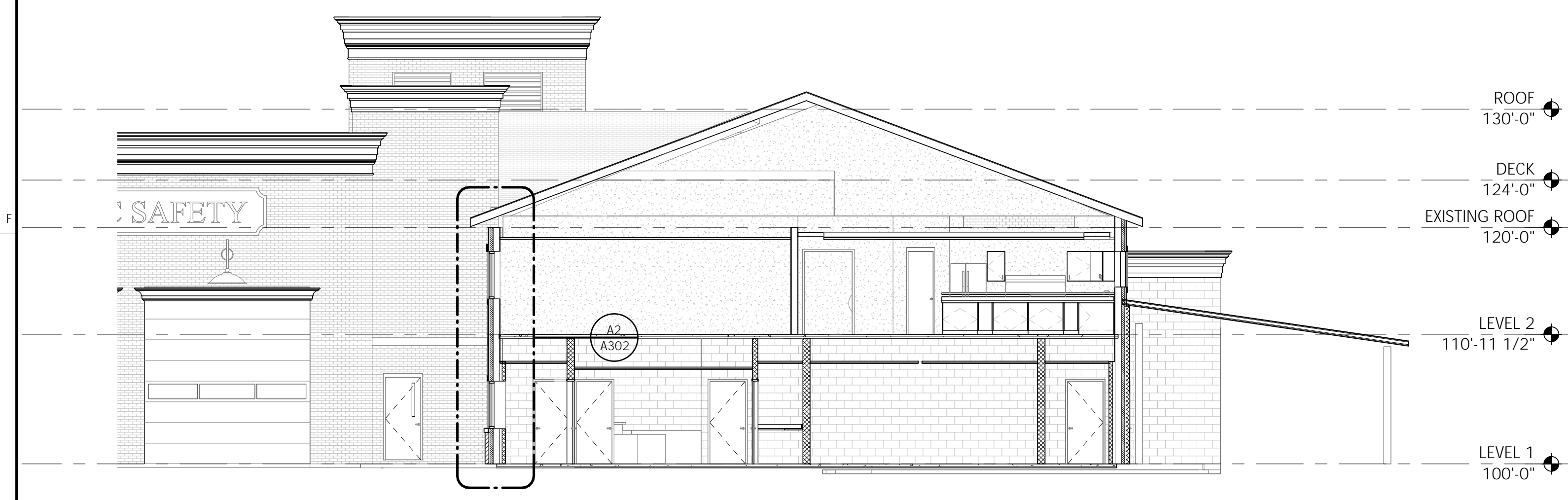
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

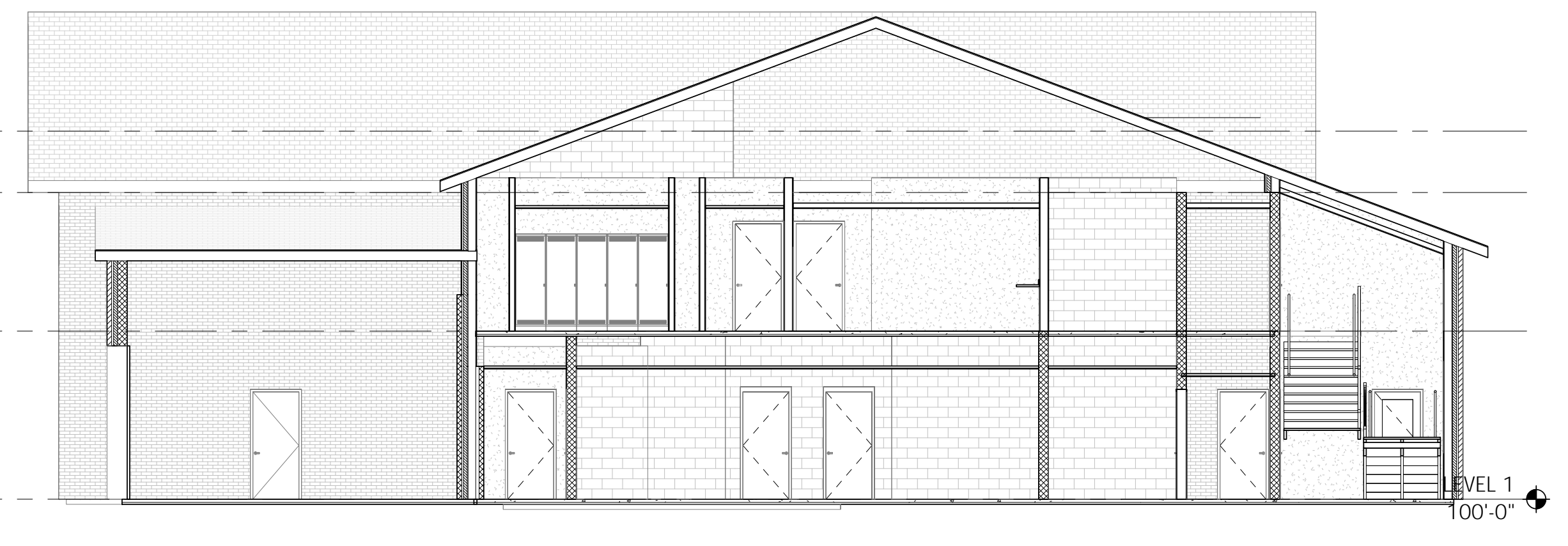
DRAWING:
BUILDING SECTIONS

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

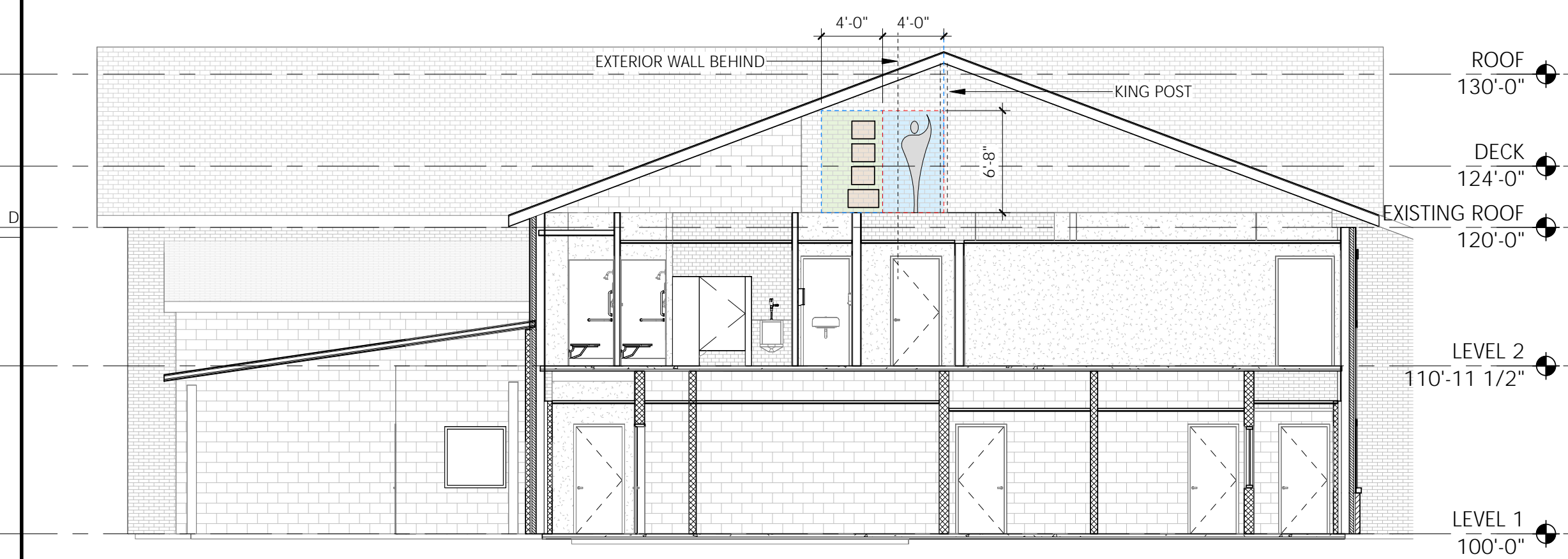
A300



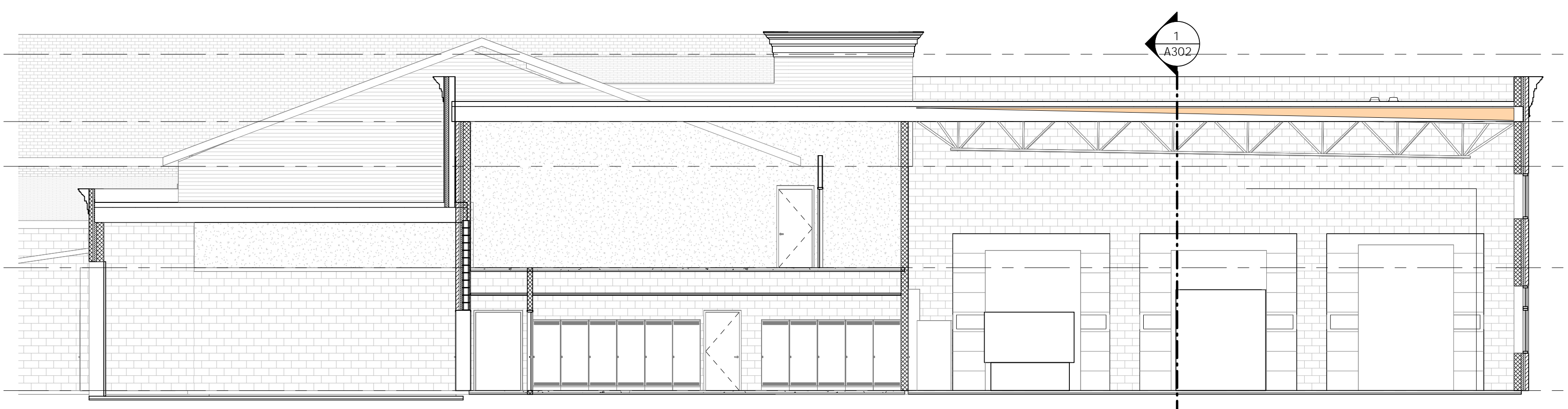
E8 Section 2
Scale: 1/8" = 1'-0"



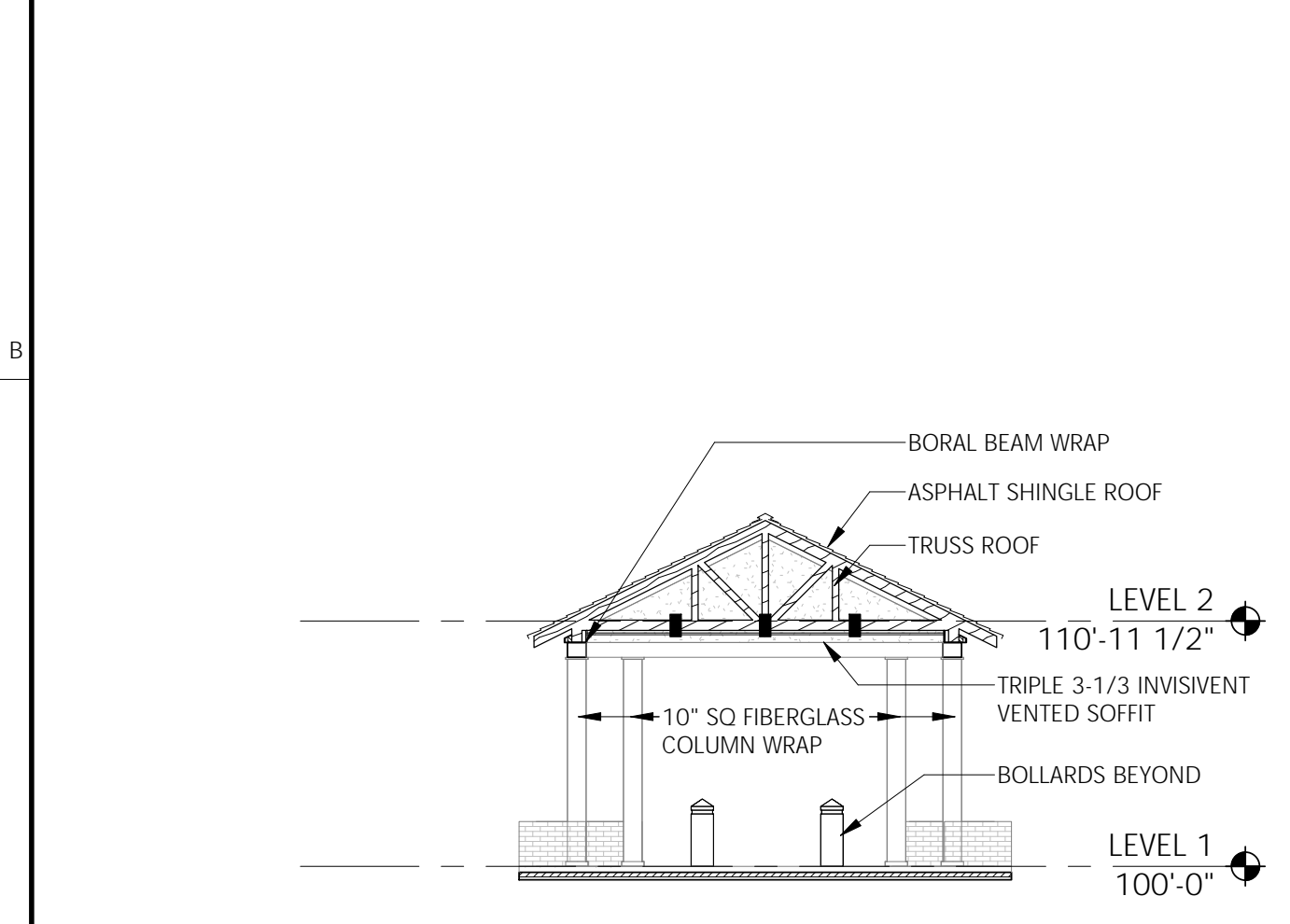
E4 Section 13
Scale: 1/8" = 1'-0"



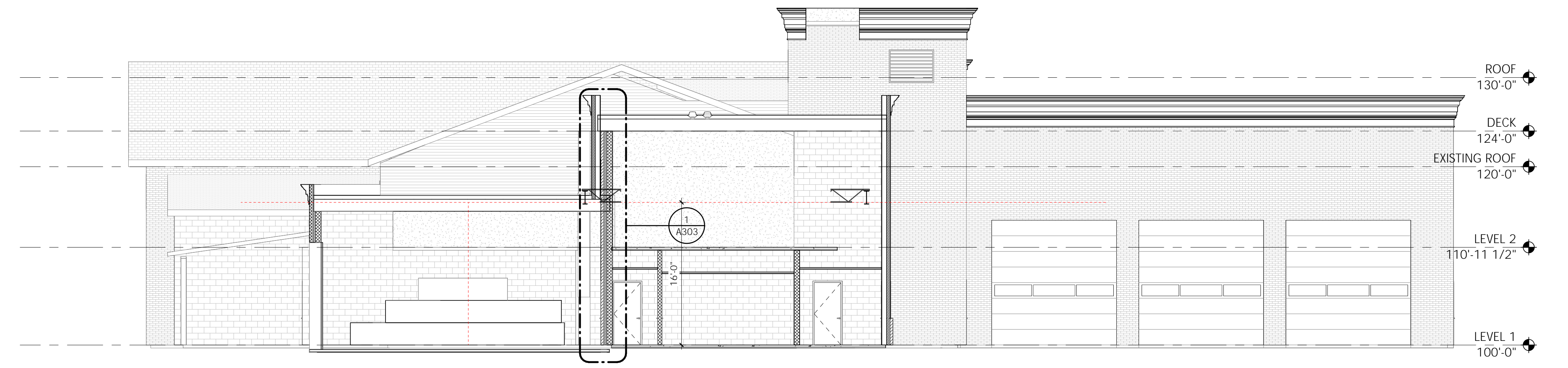
C8 Section 31
Scale: 1/8" = 1'-0"



C5 Section 34
Scale: 1/8" = 1'-0"



6 Section 36
Scale: 1/8" = 1'-0"



A6 Section 1
Scale: 1/8" = 1'-0"

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

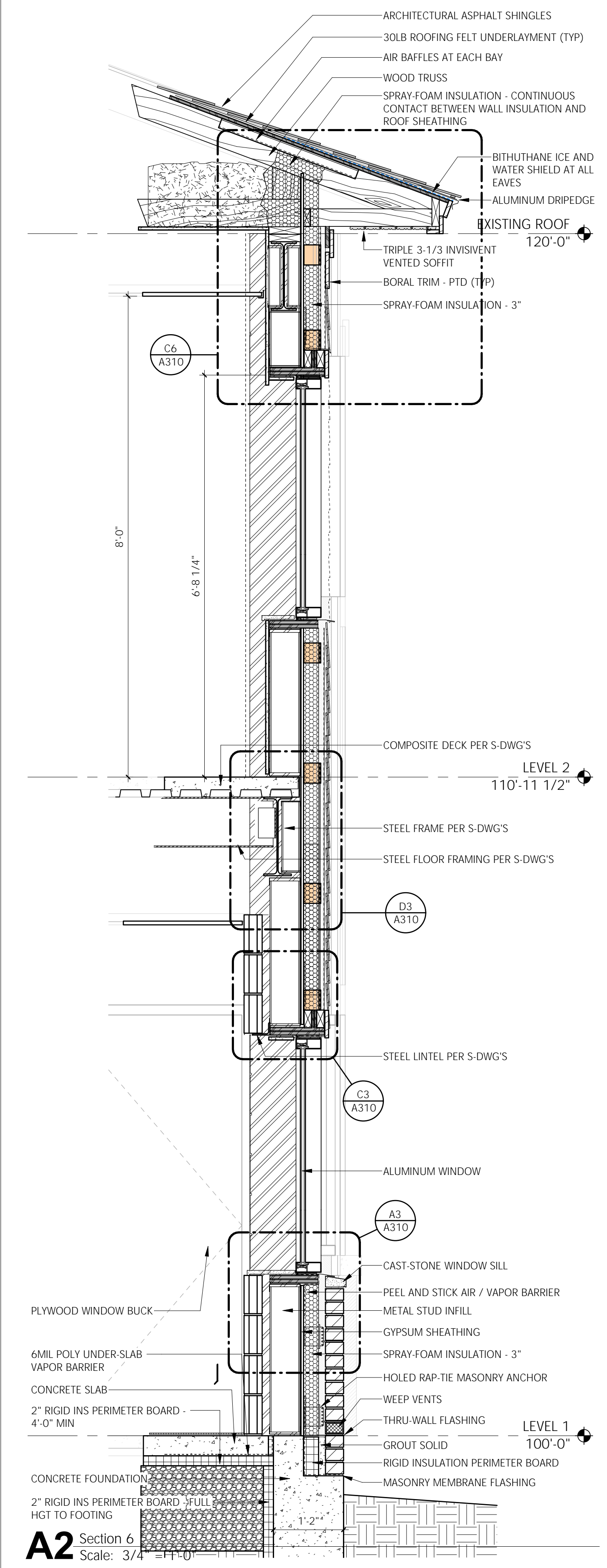
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

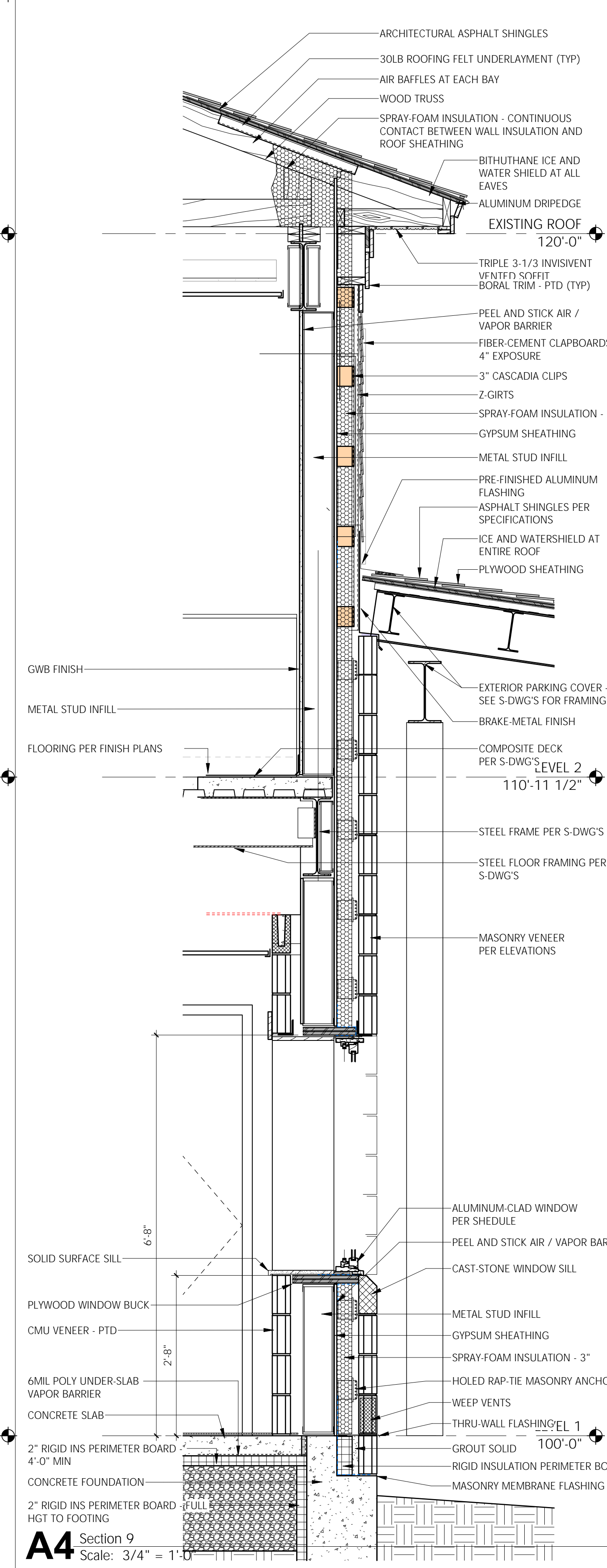
DRAWING:
WALL SECTIONS

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

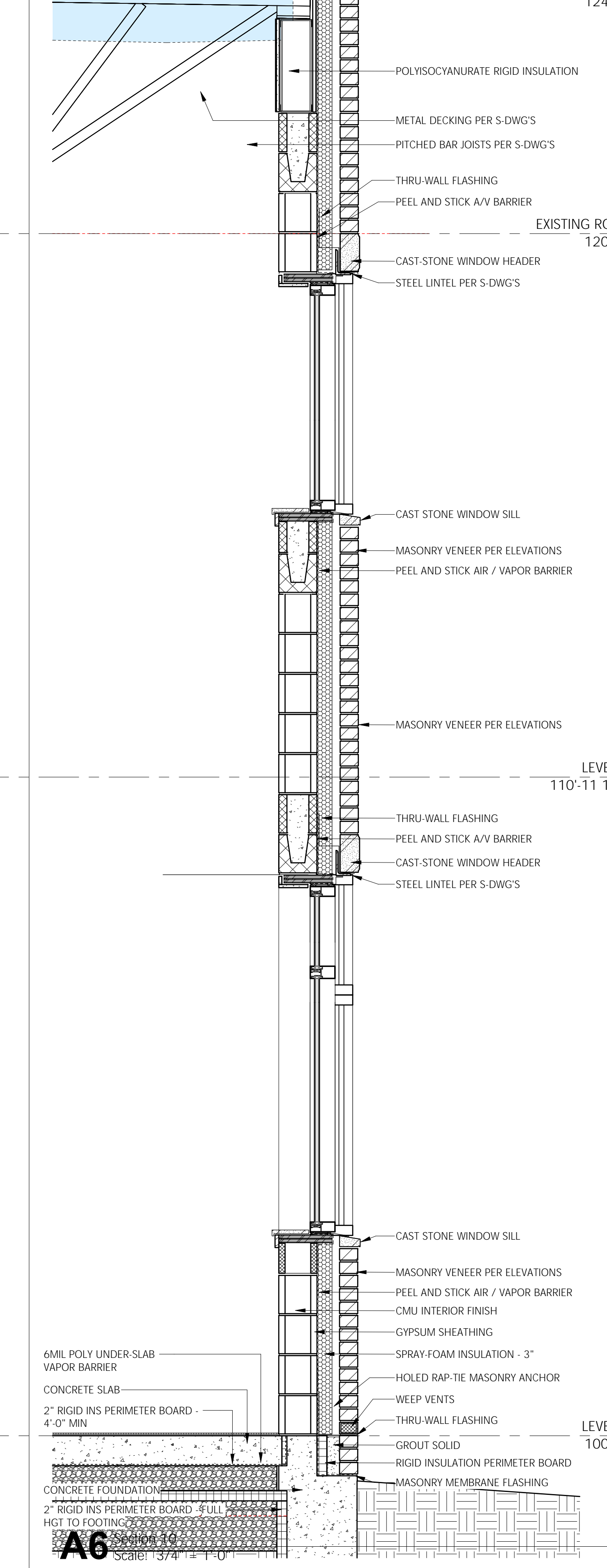
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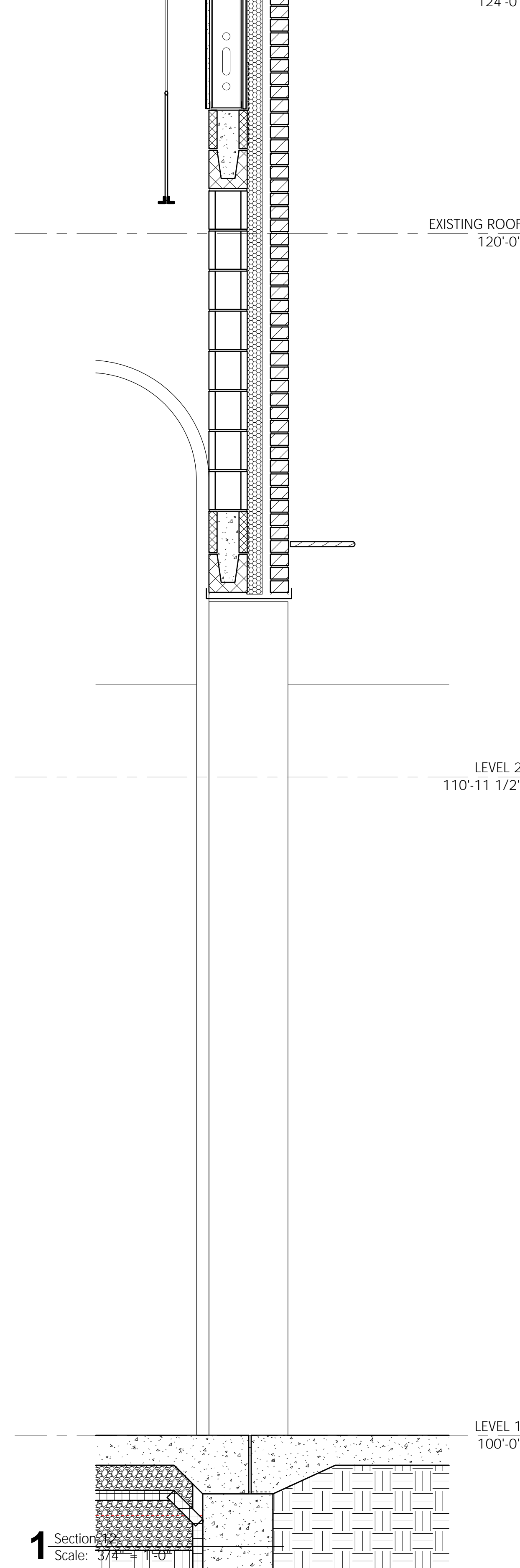
A2 Section 6
Scale: 3/4" = 1'-0"



A4 Section 9
Scale: 3/4" = 1'-0"



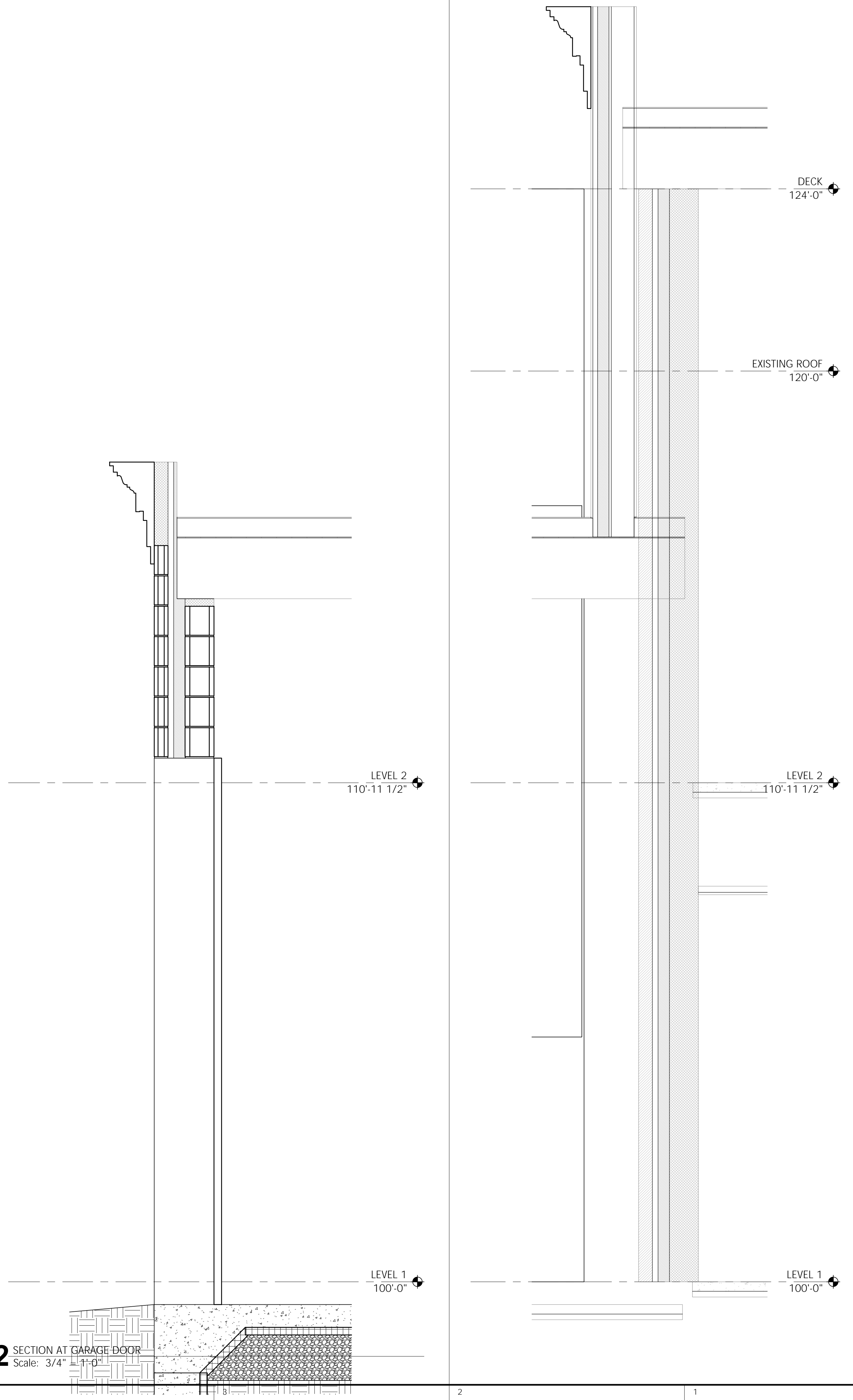
A6 Section 1
Scale: 3/4" = 1'-0"



1 Section 1
Scale: 3/4" = 1'-0"

5/31/2023 3:46:44 PM
 C:\Users\tdaniels\Documents\22-950 Wolfeboro Public Safety_R23_5-31-2023_tam@banwell.com.rvt

2 SECTION AT GARAGE DOOR
 Scale: 3/4" = 1'-0"



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 SUCCESSFUL COMPLETION OF THE
 WORK IS CONTAINED IN THE PROJECT
 MANUAL PREPARED FOR THIS PROJECT

PROGRESS SET
 NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
 WOLFEBORO PUBLIC SAFETY
 BUILDING
 251 SOUTH MAIN STREET,
 WOLFEBORO, NH

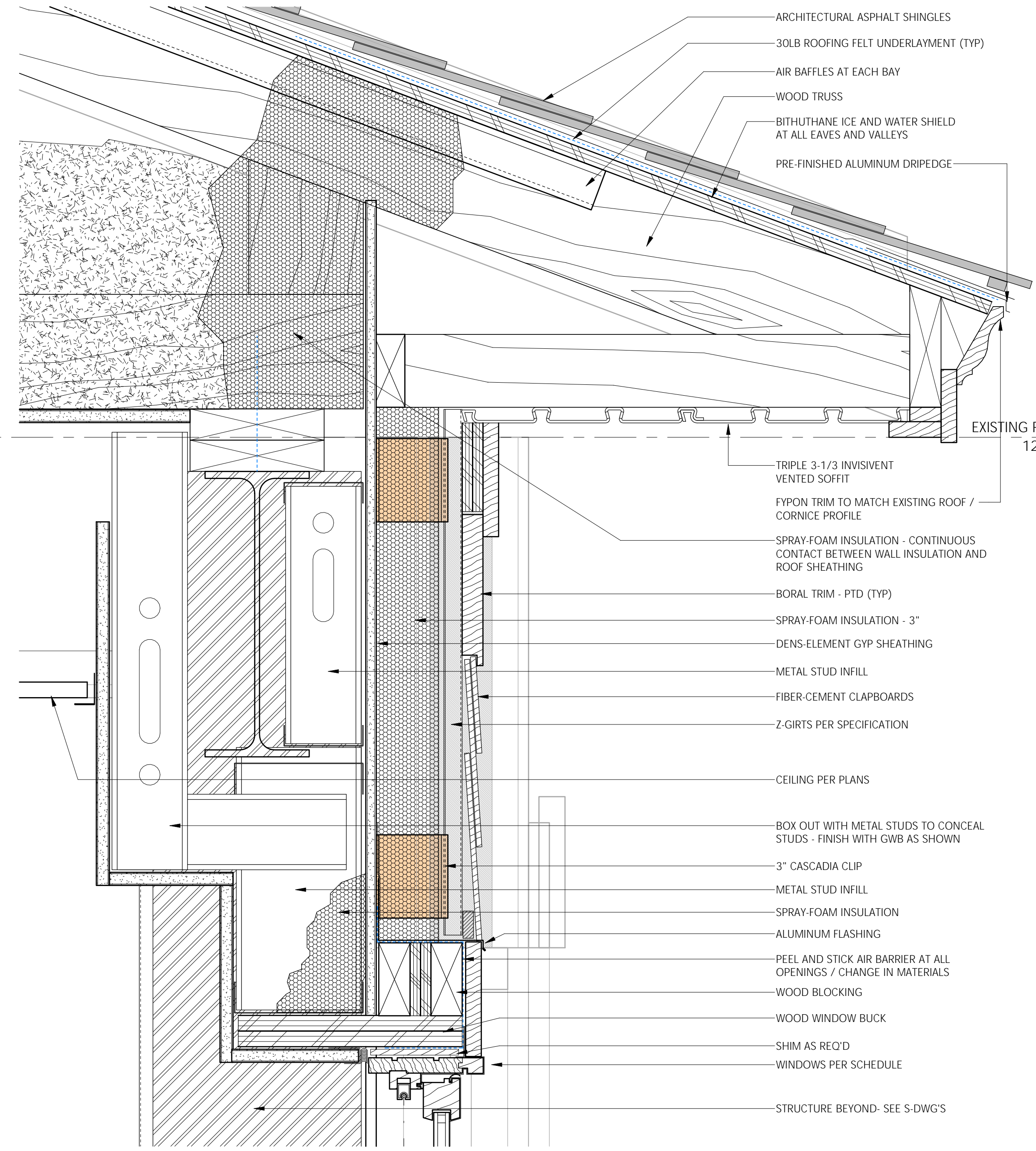
ISSUED:
 DESIGN DEVELOPMENT

DRAWING:
 WALL SECTIONS

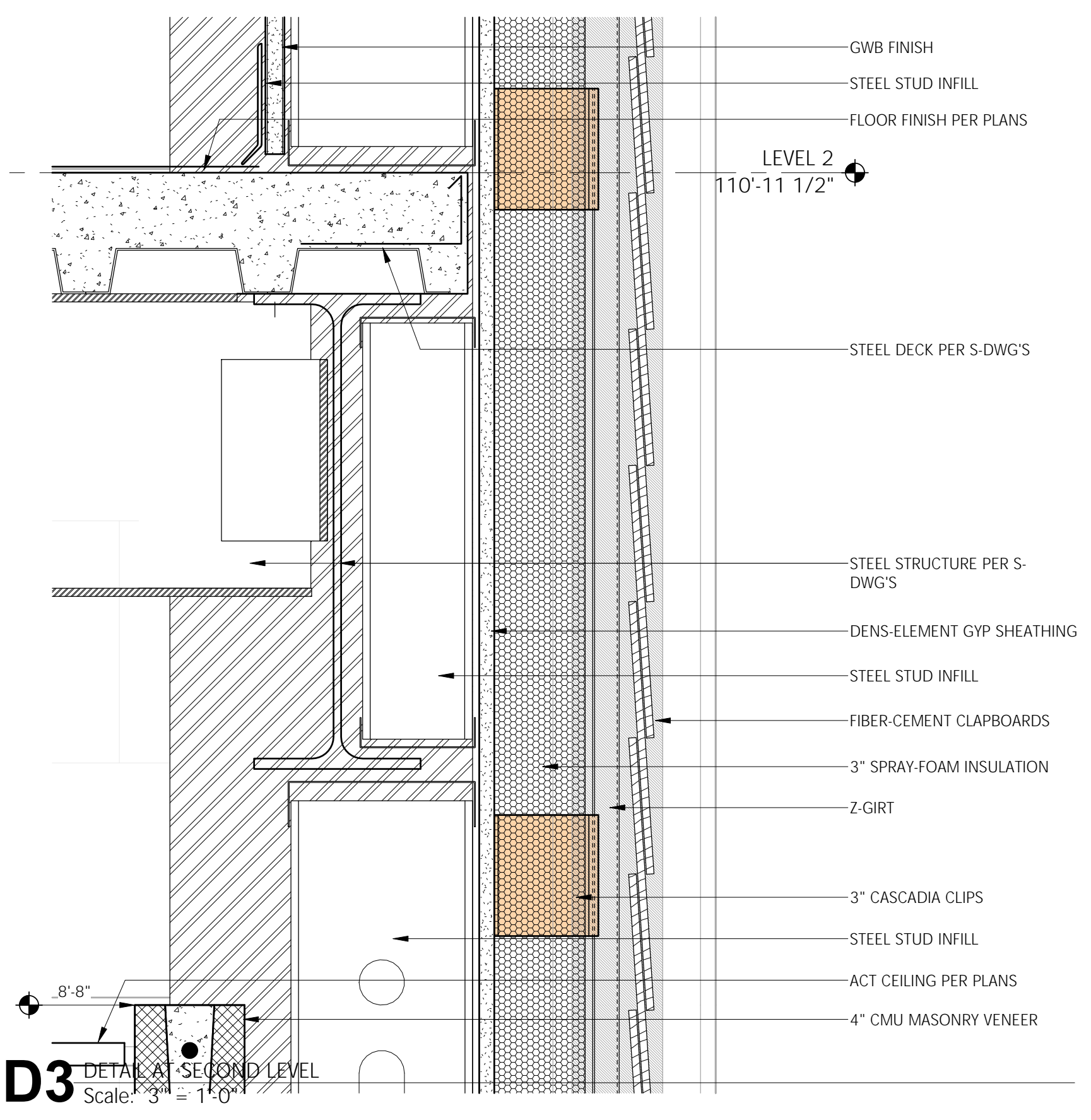
PROJECT NO: 22-950 DATE: 05-31-2023

SHEET NUMBER:
A303

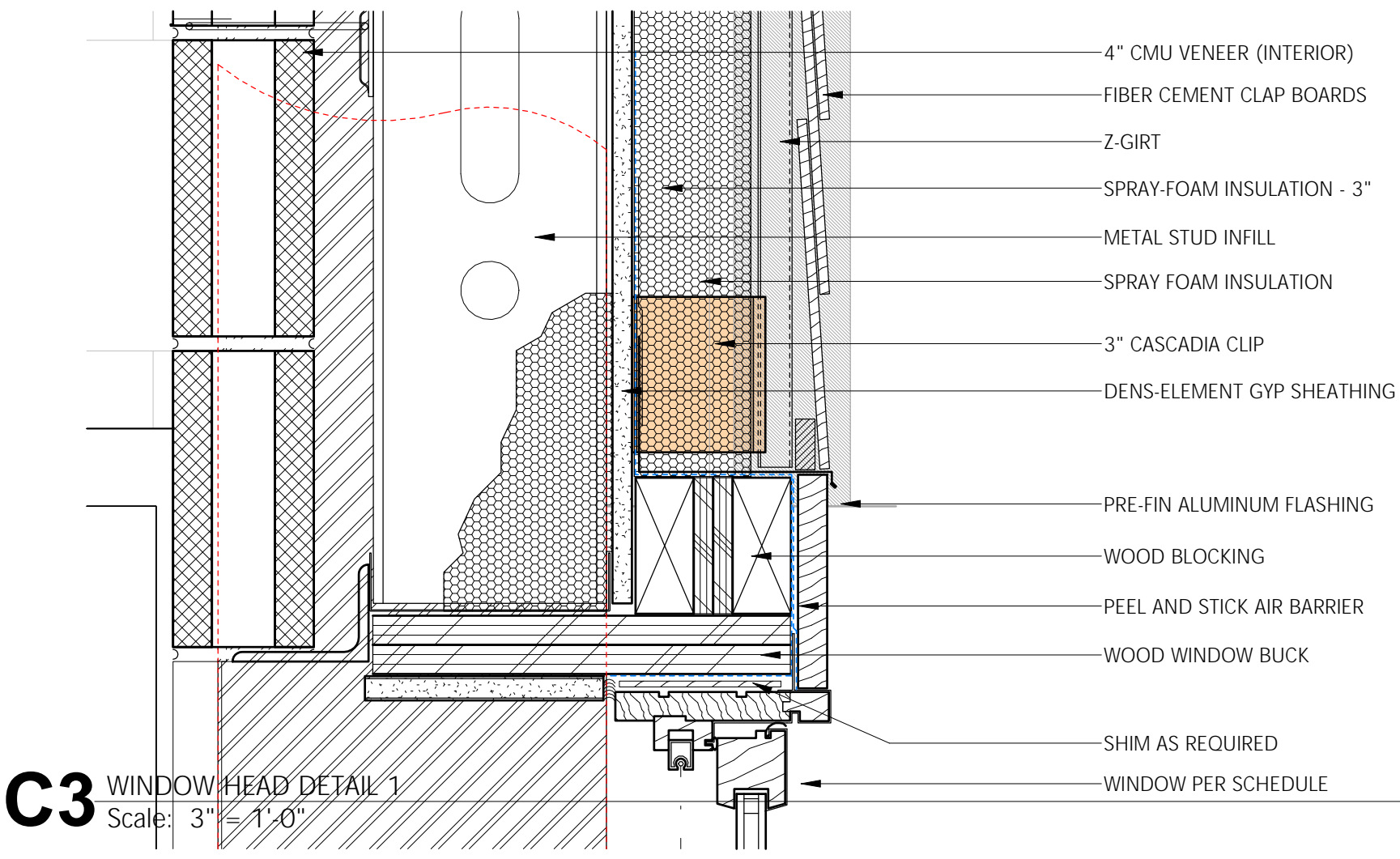
REVISION	DATE	COMMENTS



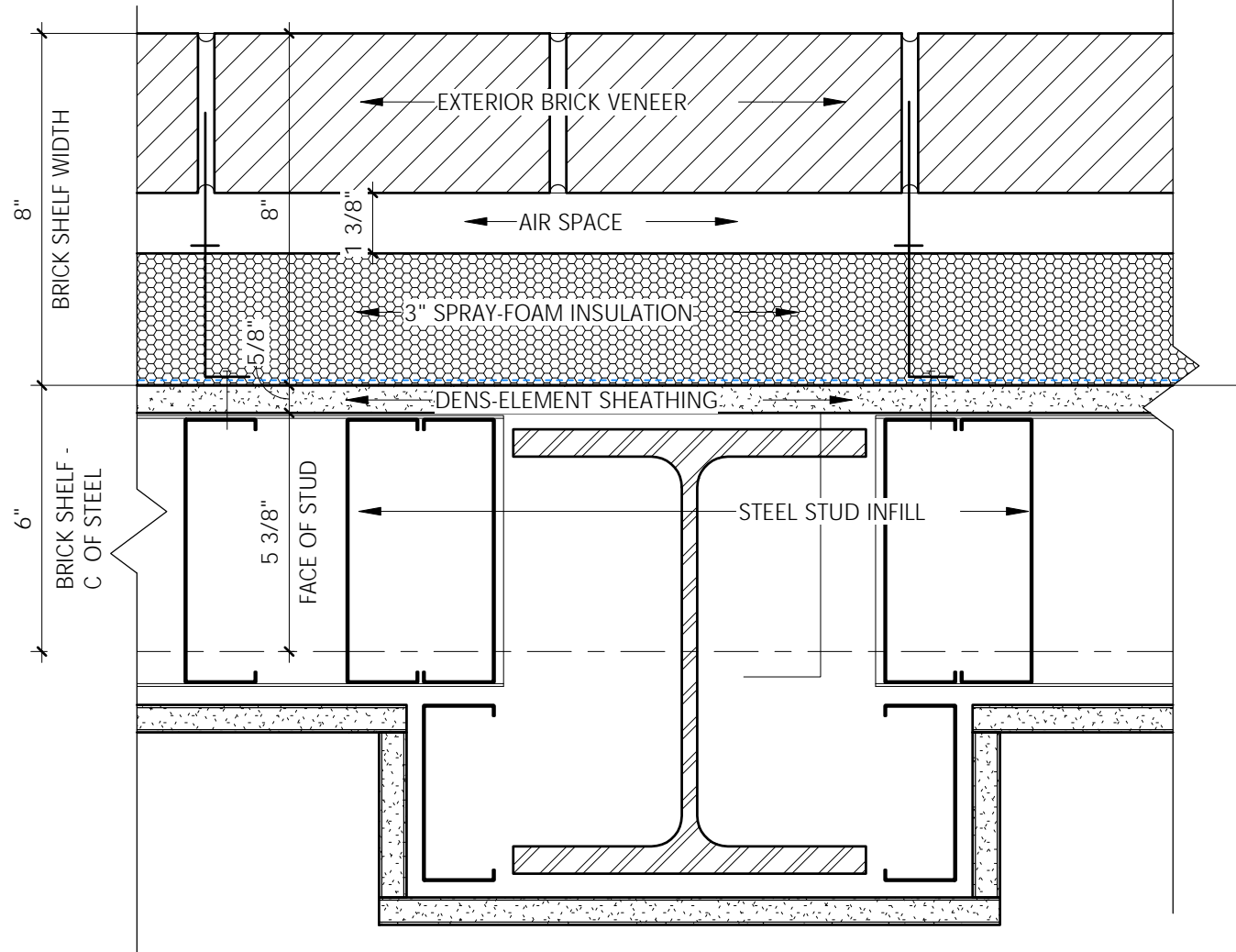
C6 DETAIL AT EAVE
Scale: 3" = 1'-0"



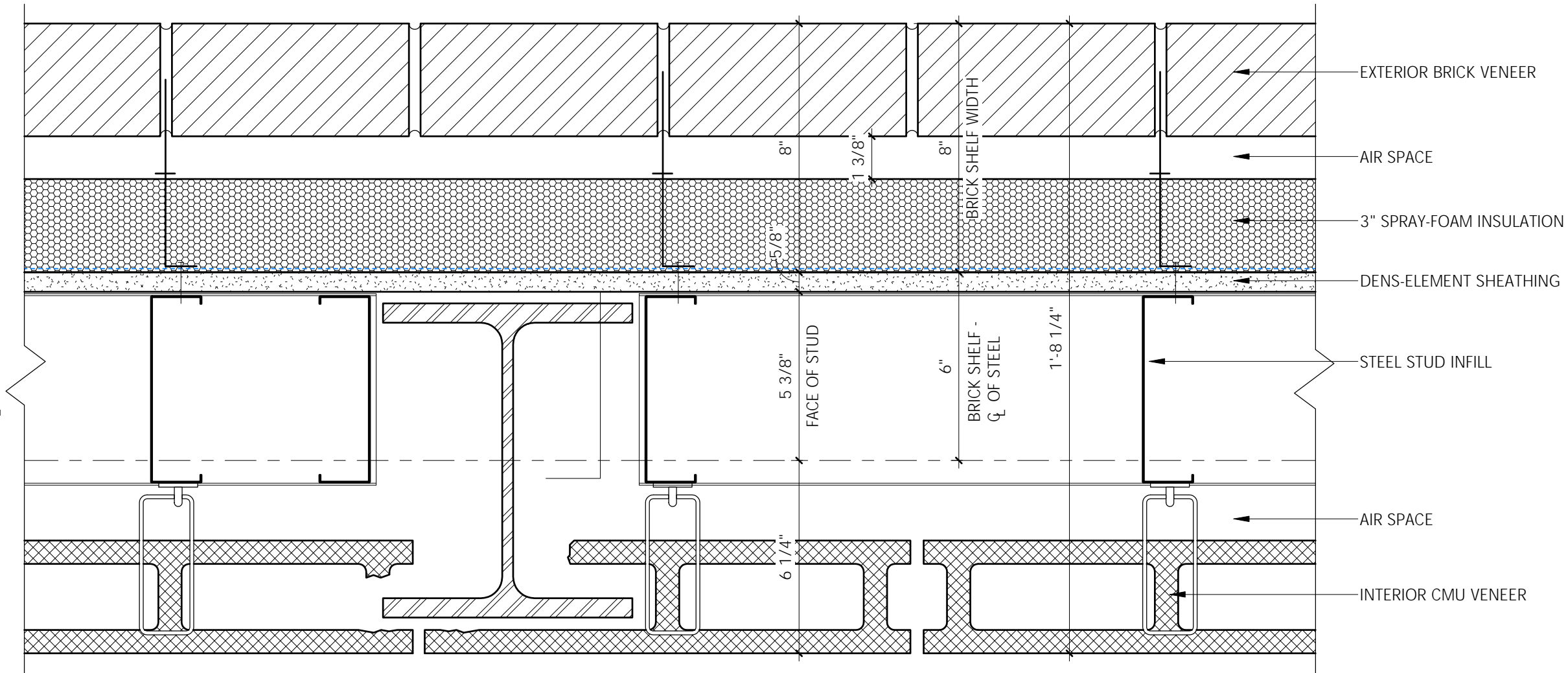
D3 DETAIL AT SECOND LEVEL
Scale: 3" = 1'-0"



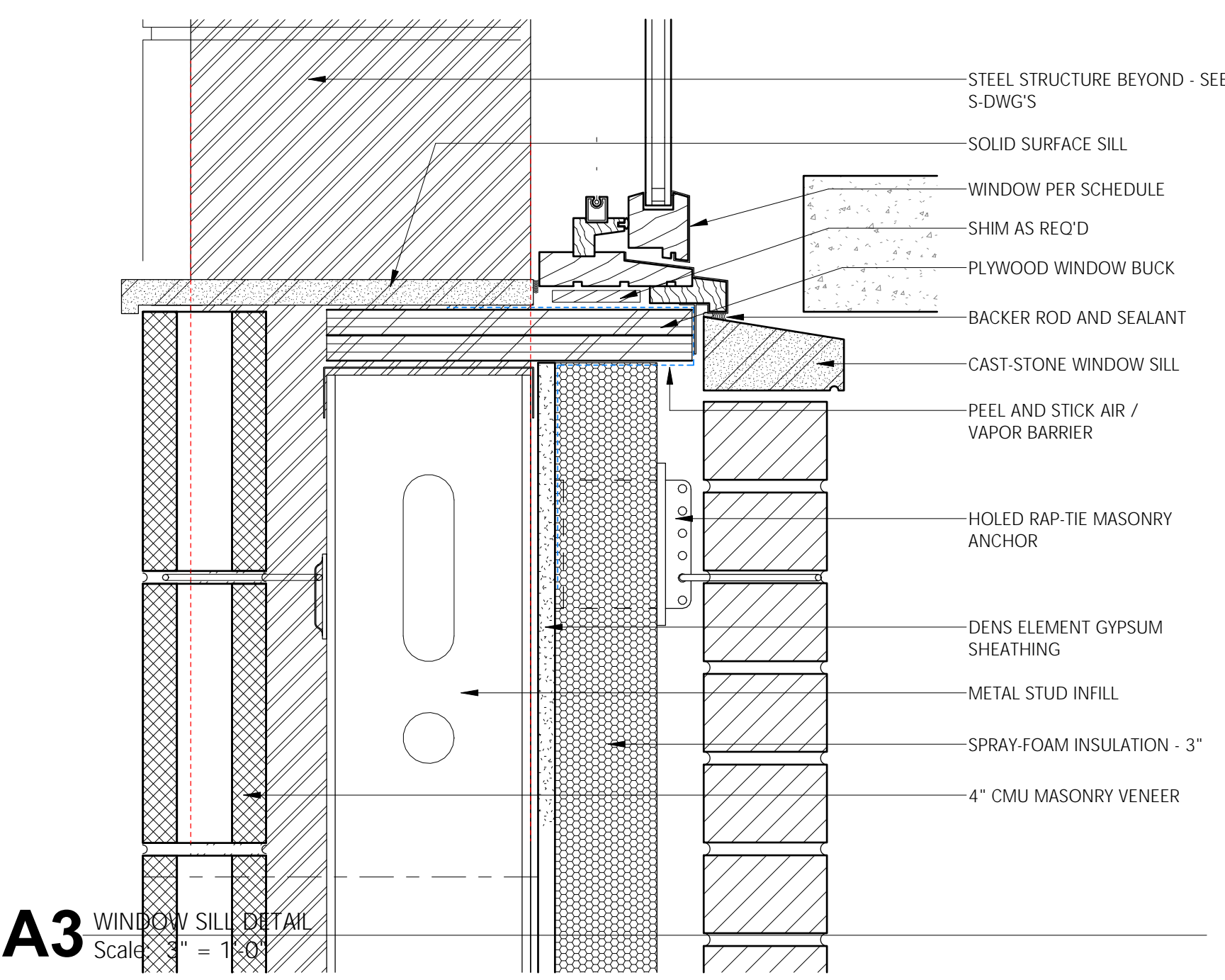
C3 WINDOW HEAD DETAIL 1
Scale: 3" = 1'-0"



A8 PLAN DETAIL AT EXTERIOR COLUMN - UPPER LEVEL
Scale: 3" = 1'-0"



A6 PLAN DETAIL AT EXTERIOR COLUMN - LOWER LEVEL
Scale: 3" = 1'-0"



A3 WINDOW SILL DETAIL
Scale: 3" = 1'-0"

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

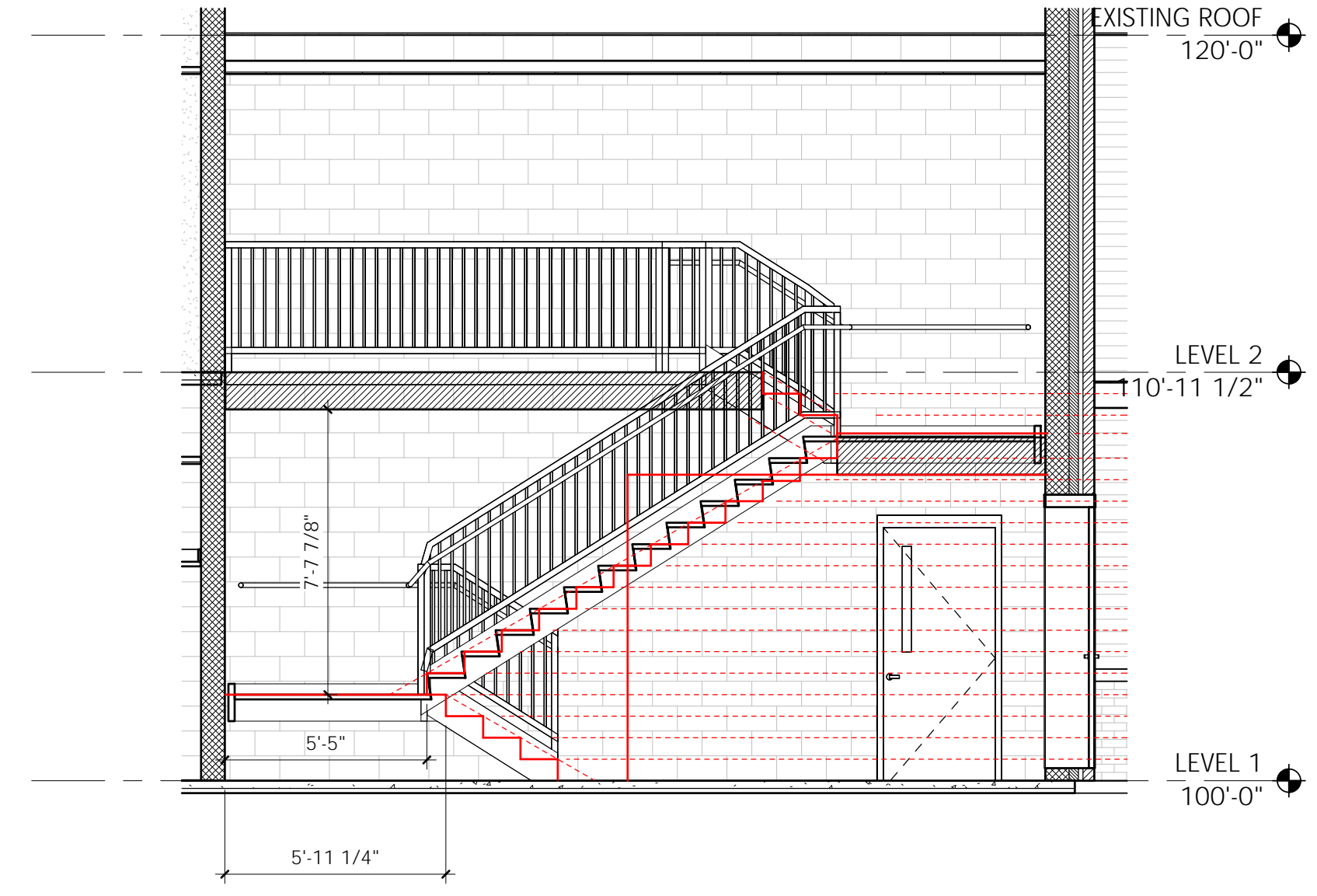
PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

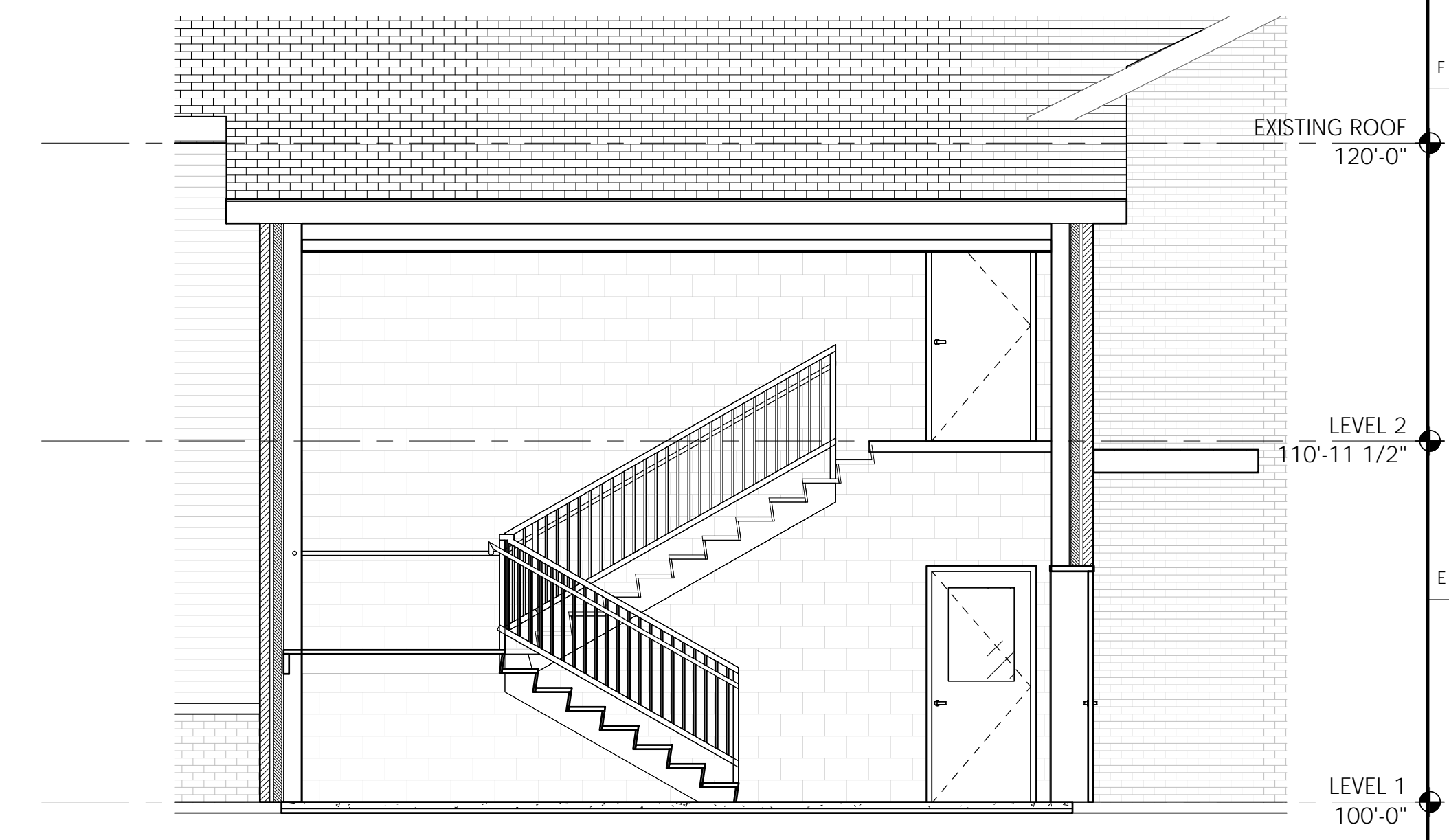
DRAWING:
ENLARGED STAIR AND ELEVATOR PLANS
AND SECTIONS

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

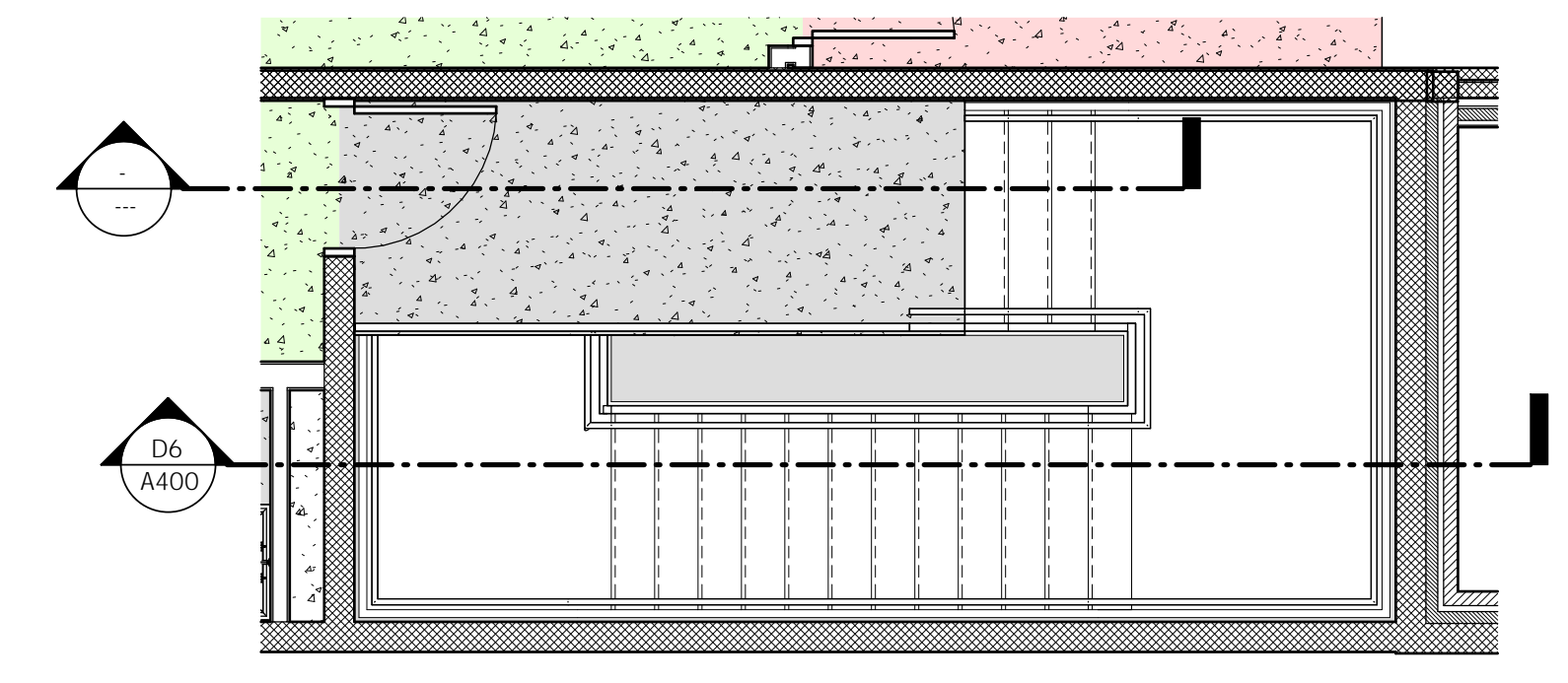
A400



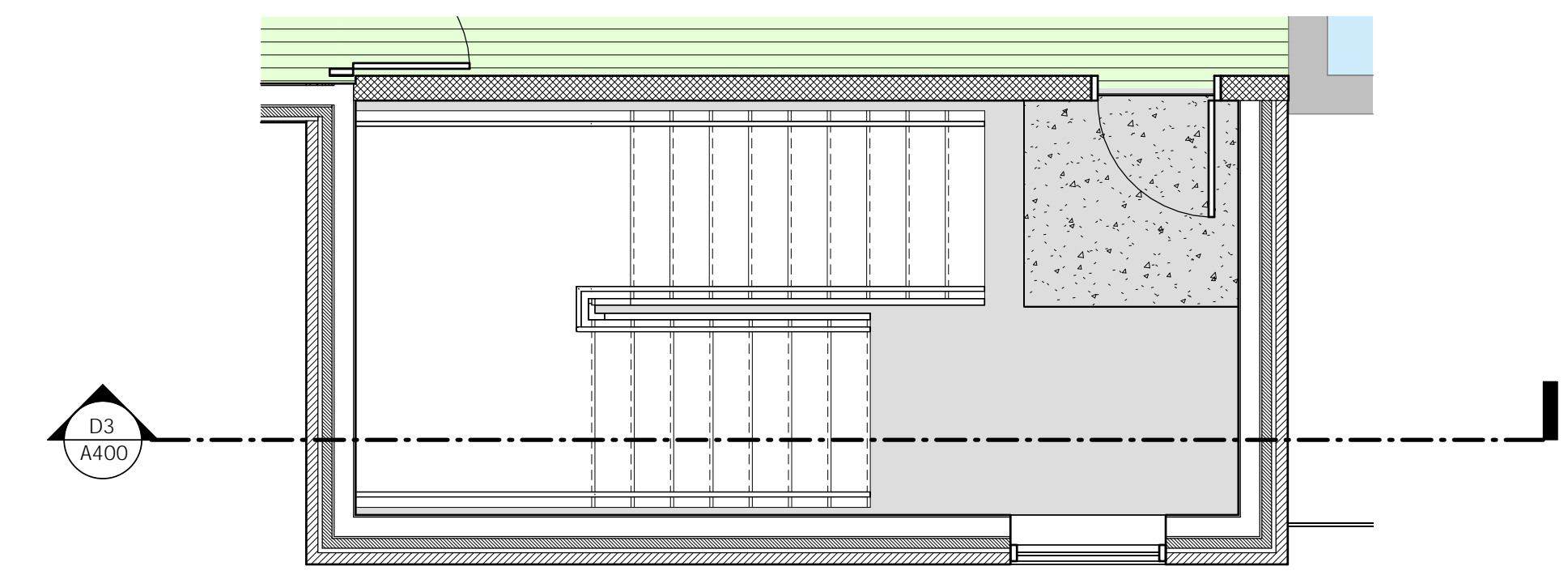
D6 STAIR TOWER 2 - SECTION 1
Scale: 1/4" = 1'-0"



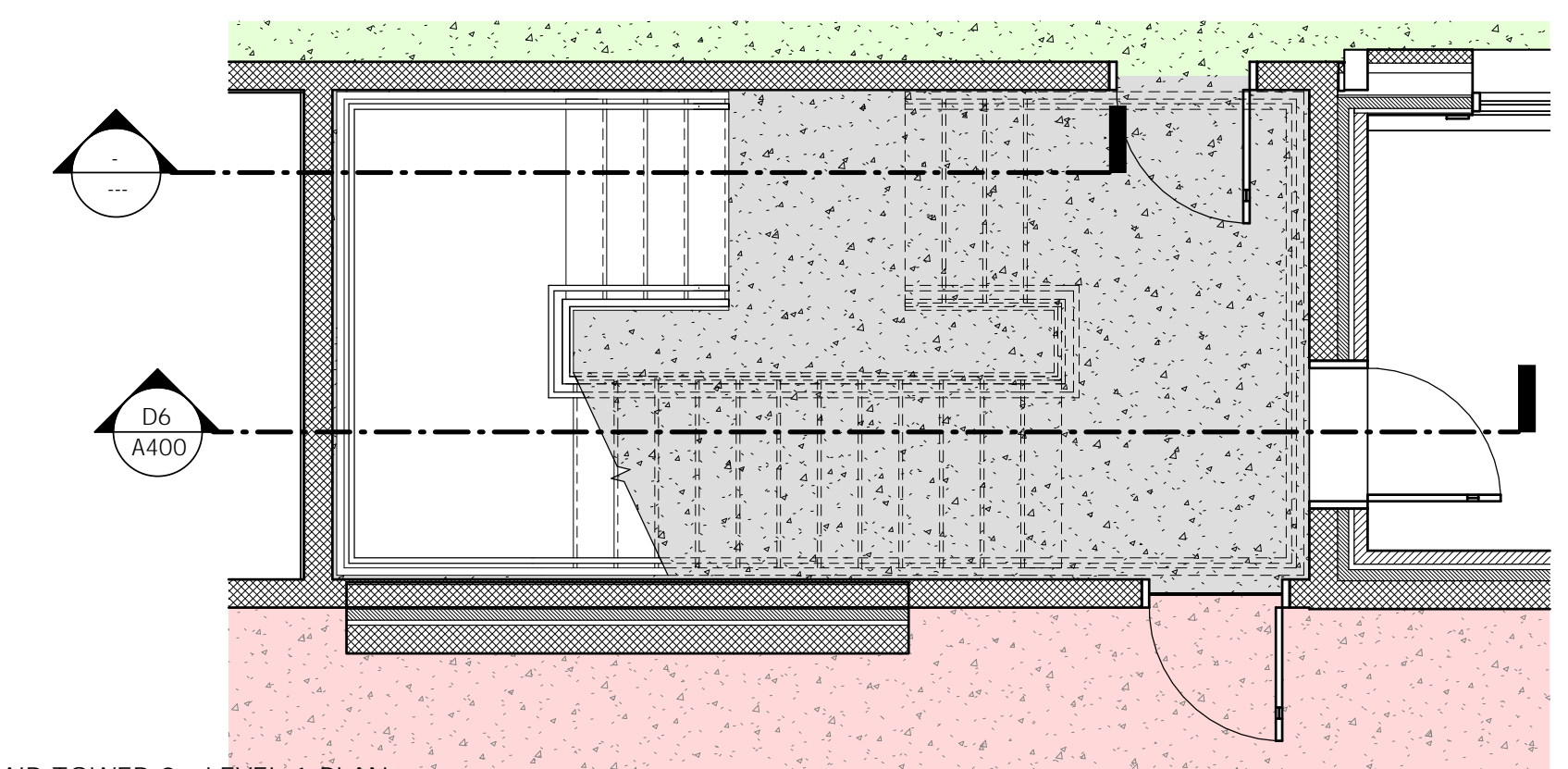
D3 Section 32
Scale: 1/4" = 1'-0"



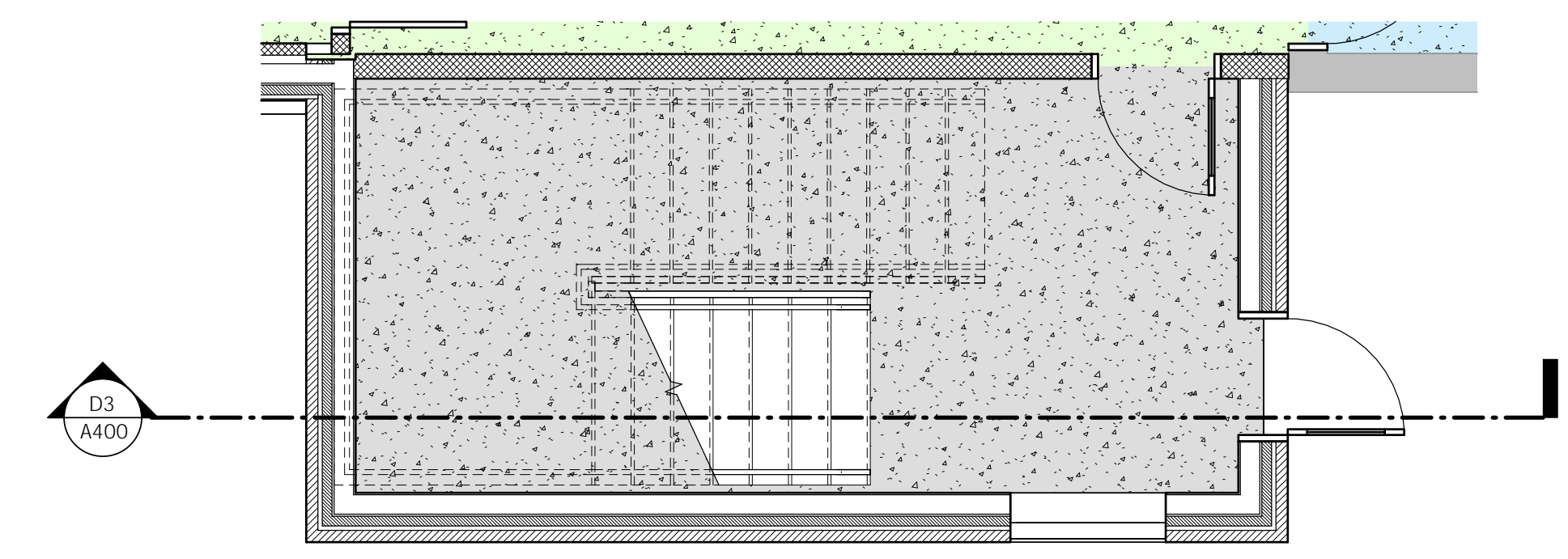
B6 STAIR TOWER 2 - LEVEL 2 PLAN
Scale: 1/4" = 1'-0"



B3 LEVEL 2 - FLOOR PLAN - Callout 6
Scale: 1/4" = 1'-0"



A6 STAIR TOWER 2 - LEVEL 1 PLAN
Scale: 1/4" = 1'-0"



A3 LEVEL 1 - FLOOR PLAN - Callout 11
Scale: 1/4" = 1'-0"

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

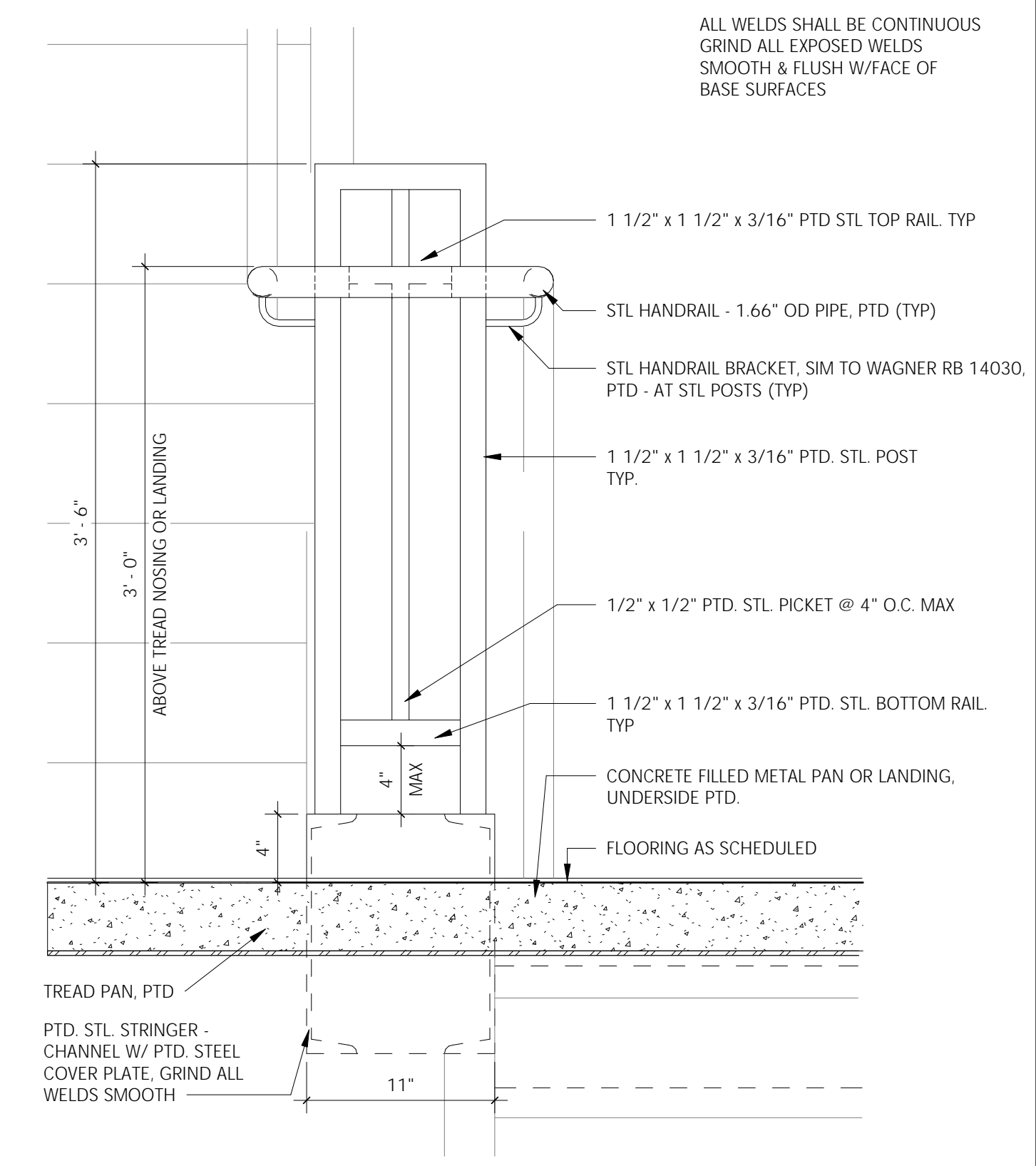
PROJECT:
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BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

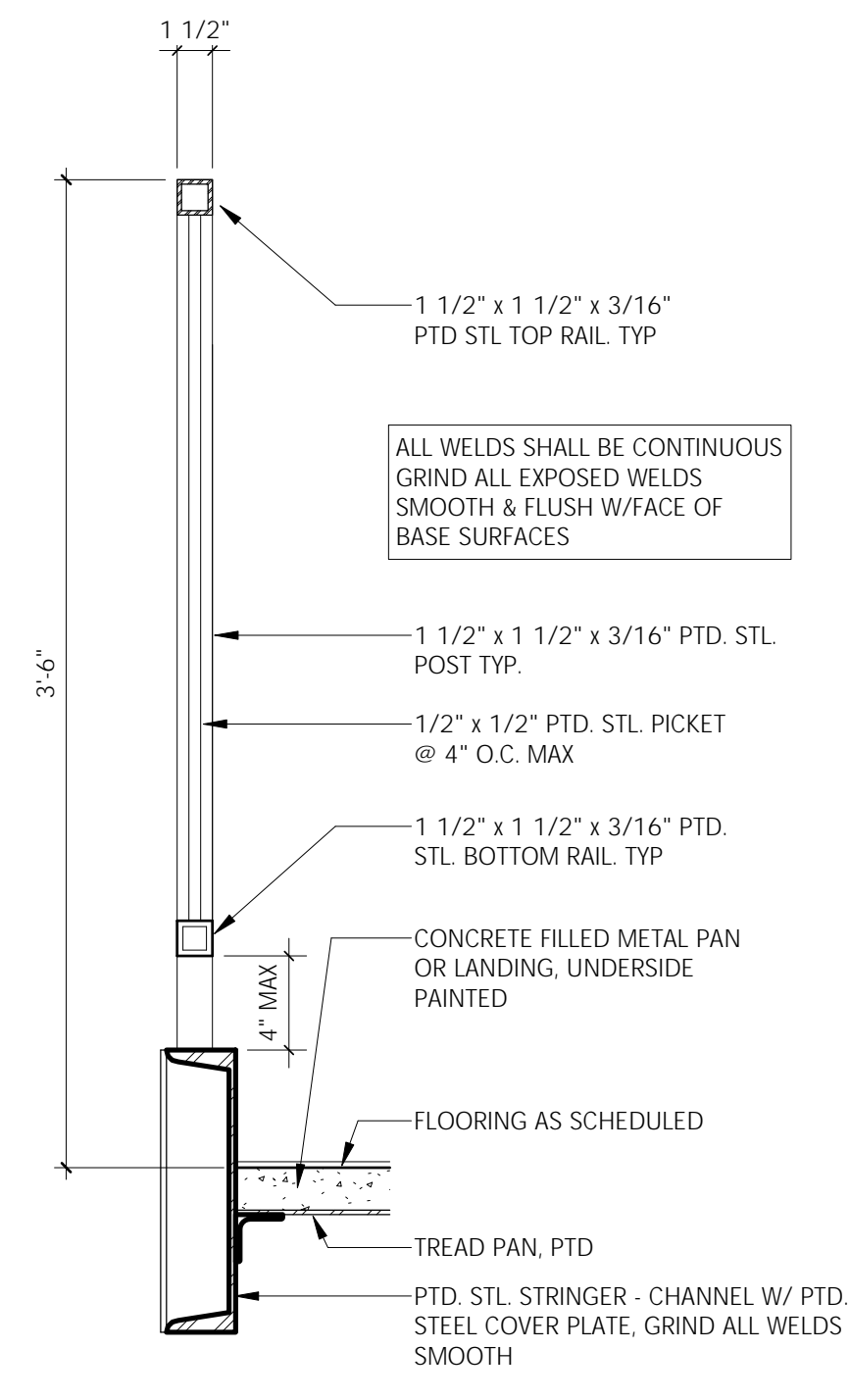
DRAWING:
STAIR DETAILS

PROJECT NO: 22-950 **DATE:** 05-31-2023
SHEET NUMBER:

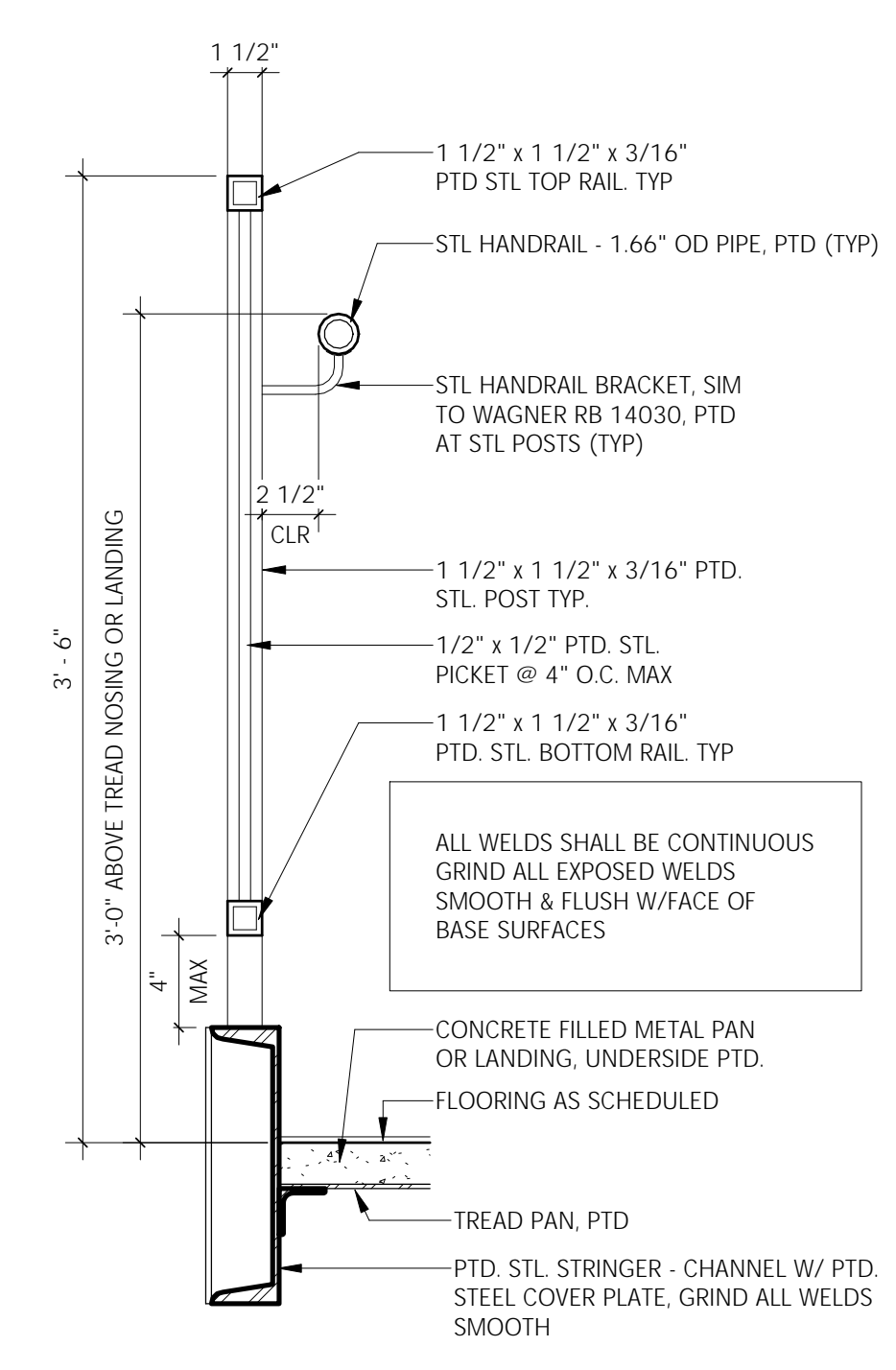
A402



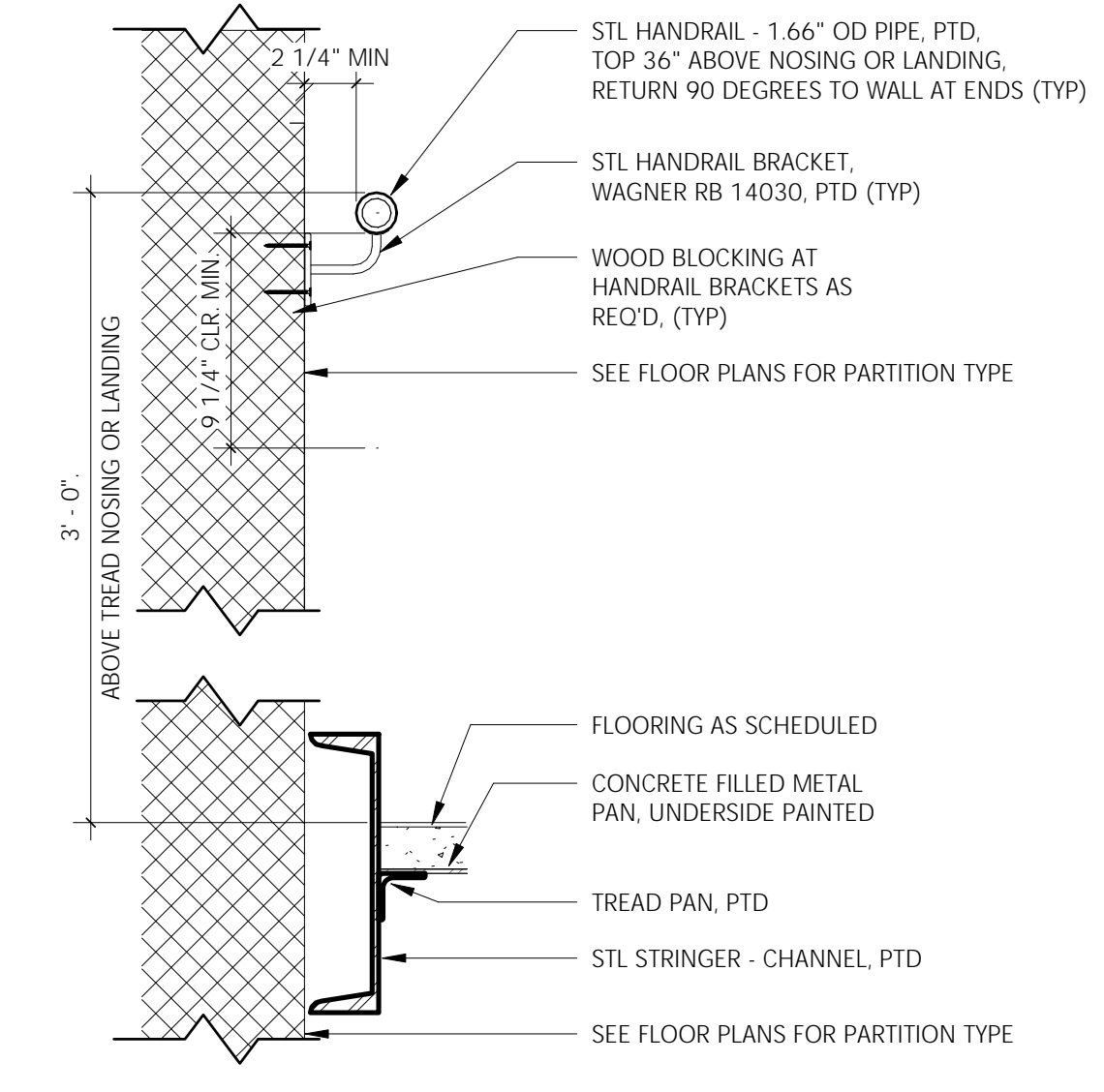
D2 STAIR DETAIL AT GUARDRAIL W/ HANDRAIL @ 180
Scale: 1 1/2" = 1'-0"



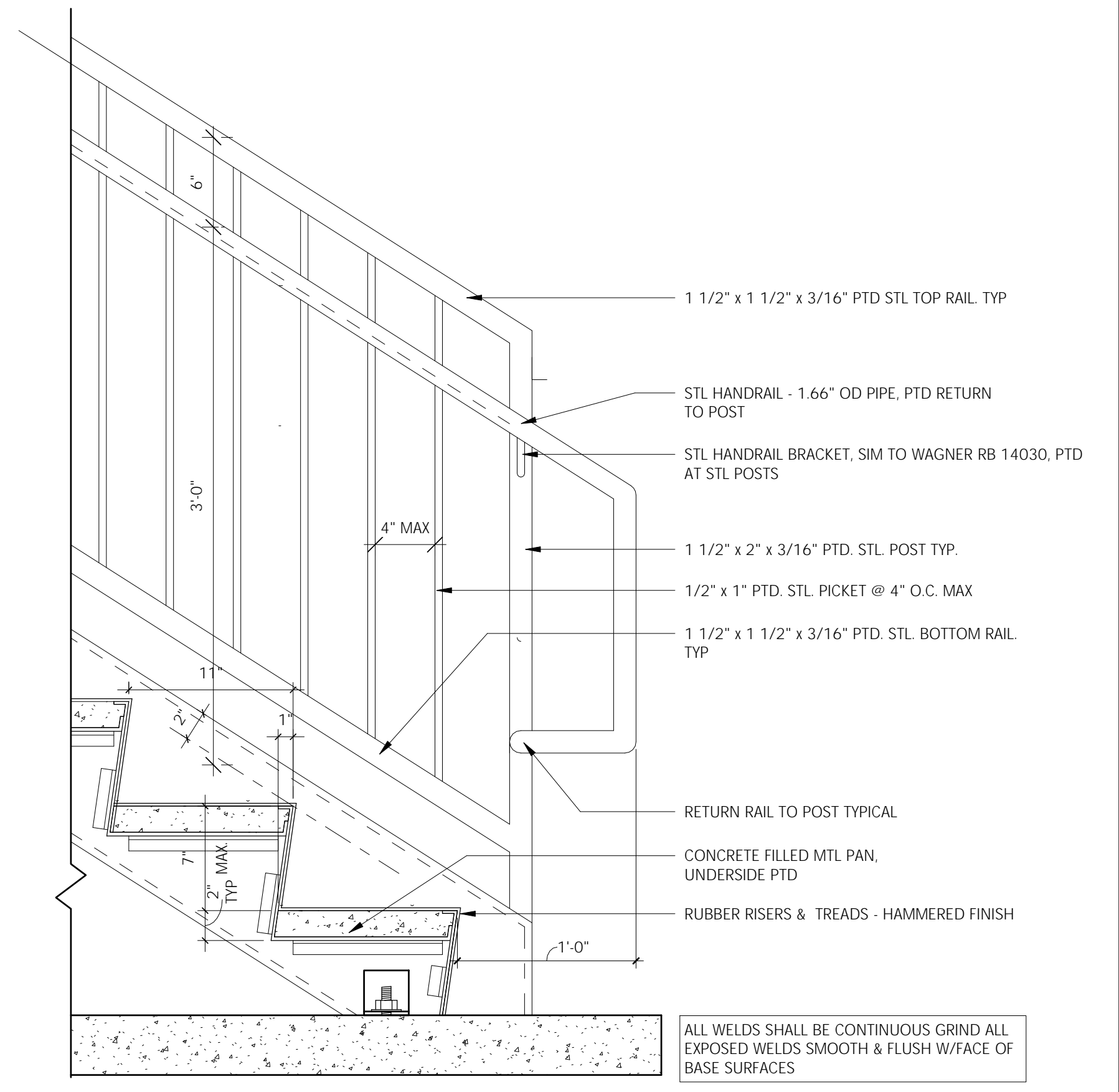
D4 STAIR DETAIL AT GUARDRAIL
Scale: 1 1/2" = 1'-0"



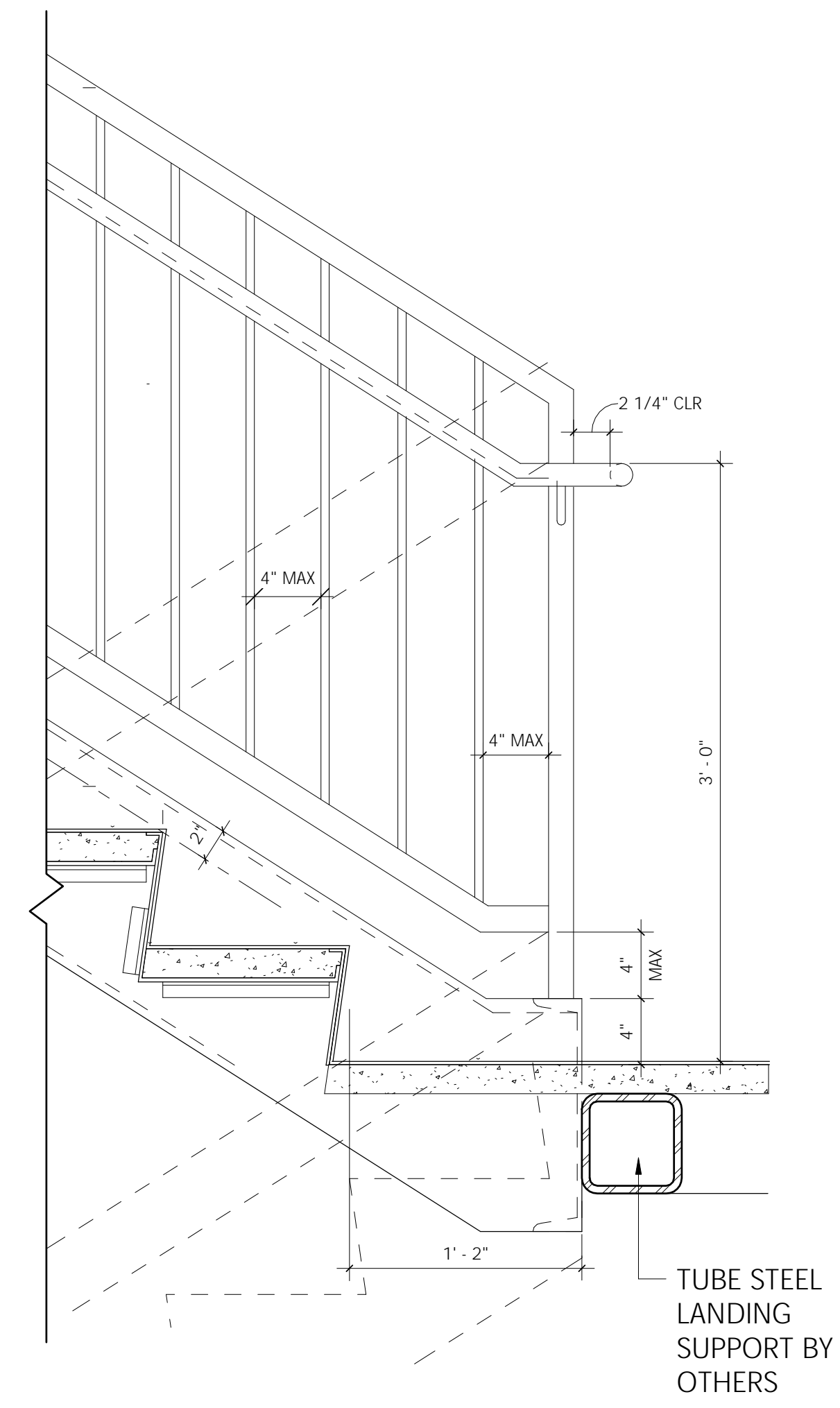
D6 STAIR DETAIL AT GUARDRAIL W/ HANDRAIL
Scale: 1 1/2" = 1'-0"



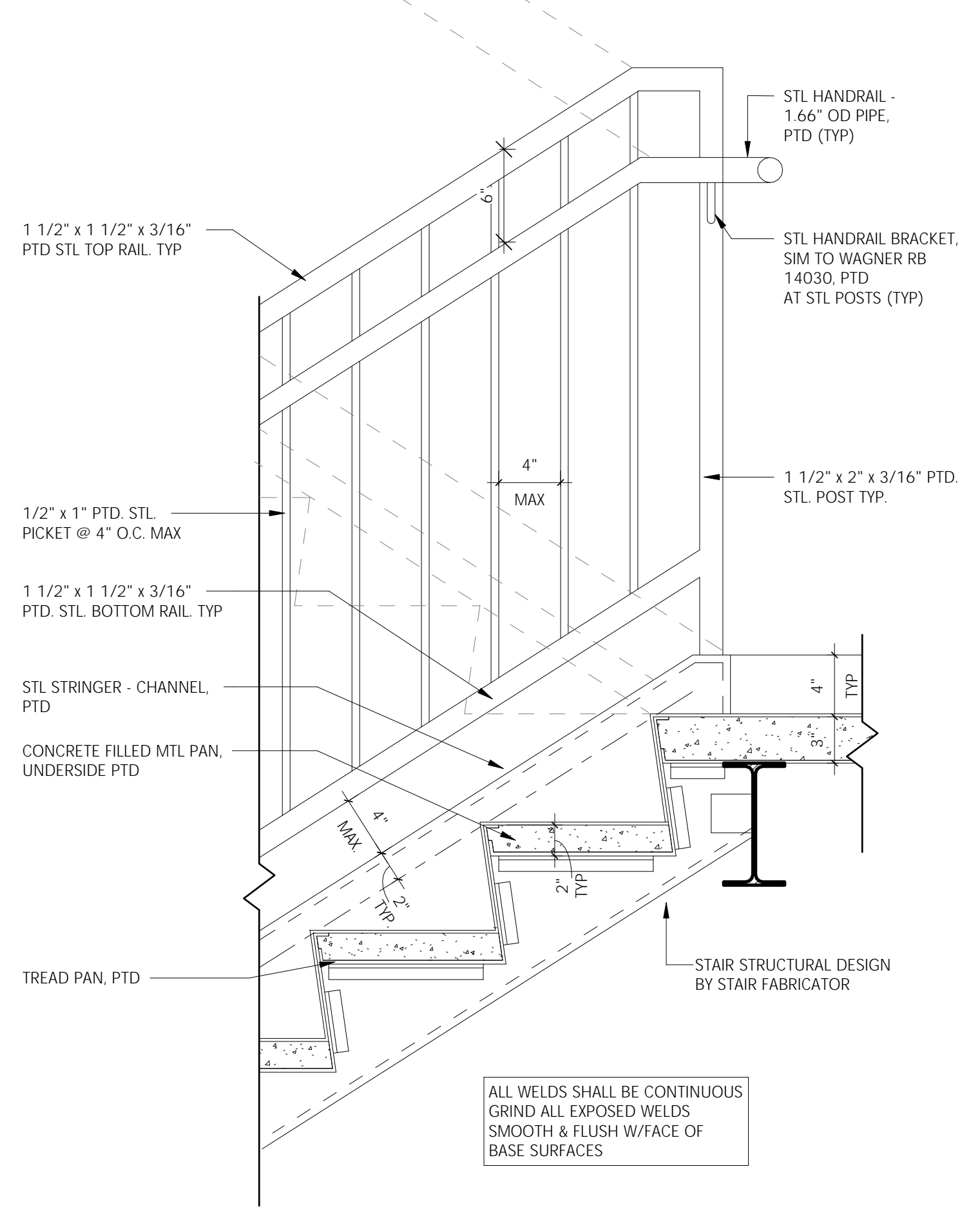
D8 STAIR DETAIL AT WALL MOUNTED HANDRAIL
Scale: 1 1/2" = 1'-0"



A3 STAIR DETAIL AT BOTTOM OF STAIRS
Scale: 1 1/2" = 1'-0"



A6 STAIR DETAIL AT BOTTOM OF LANDING
Scale: 1 1/2" = 1'-0"

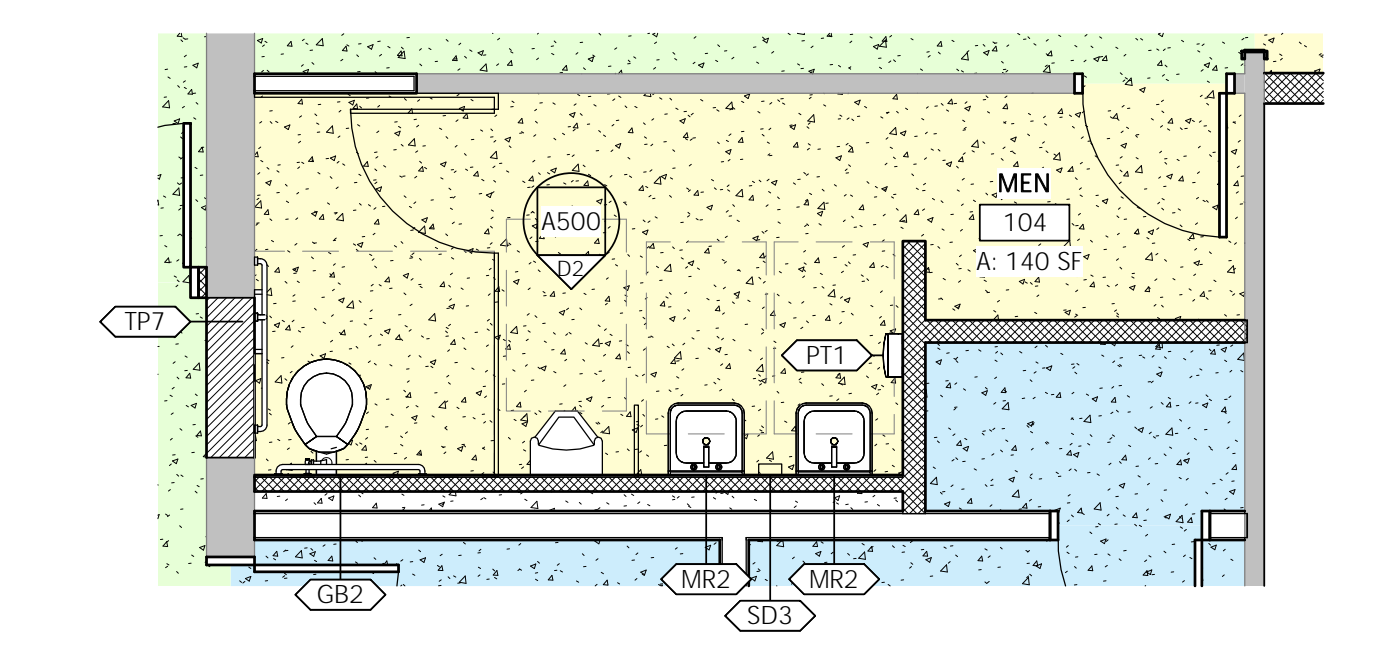
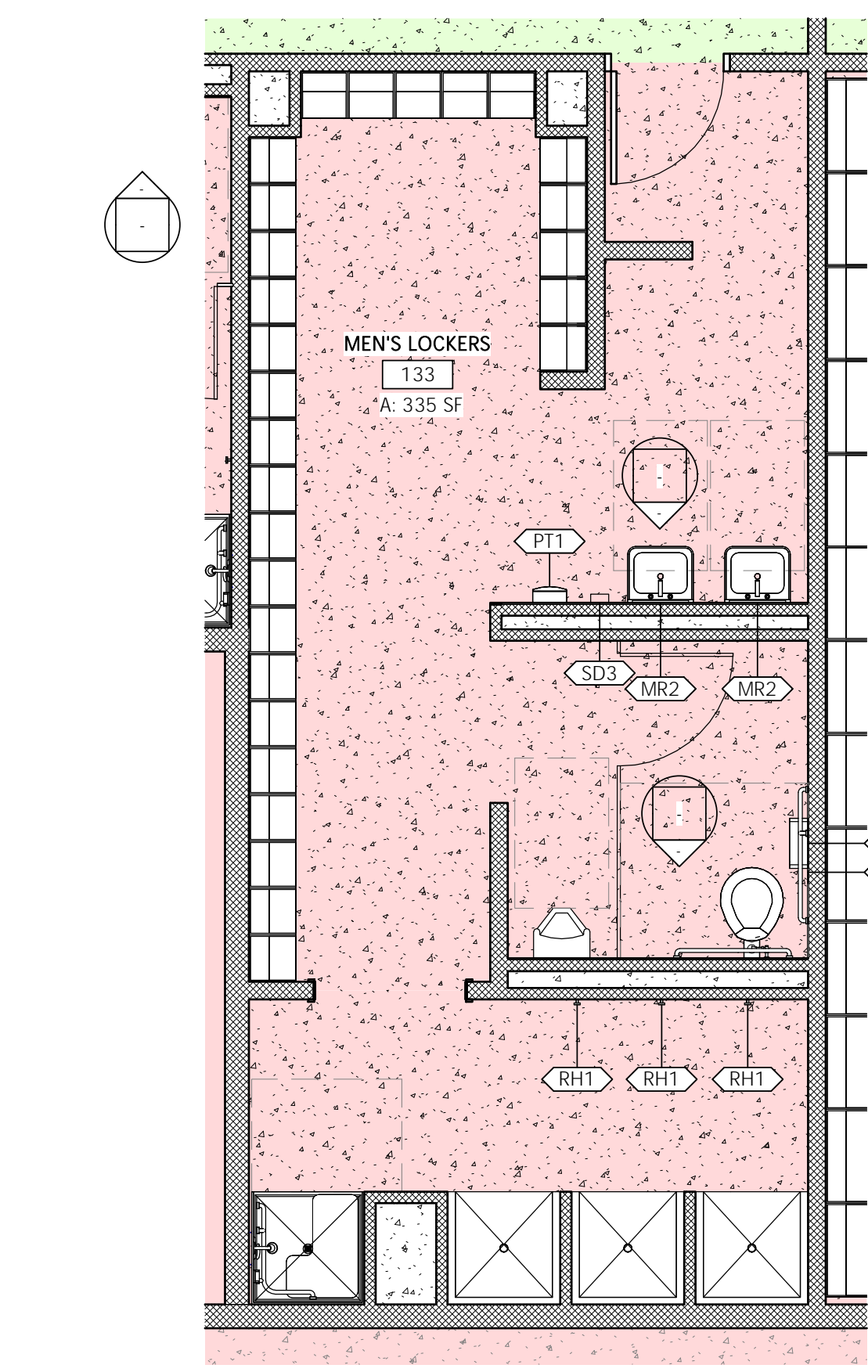
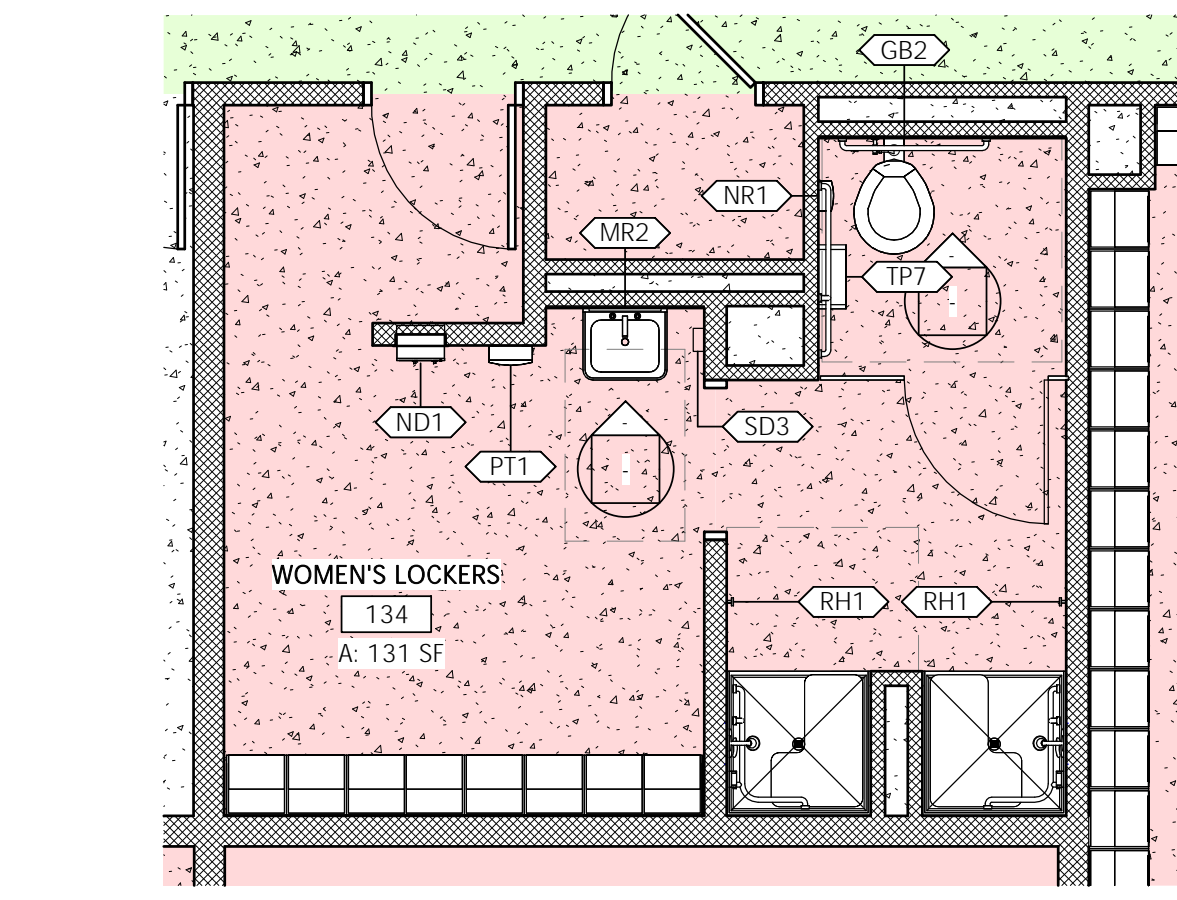
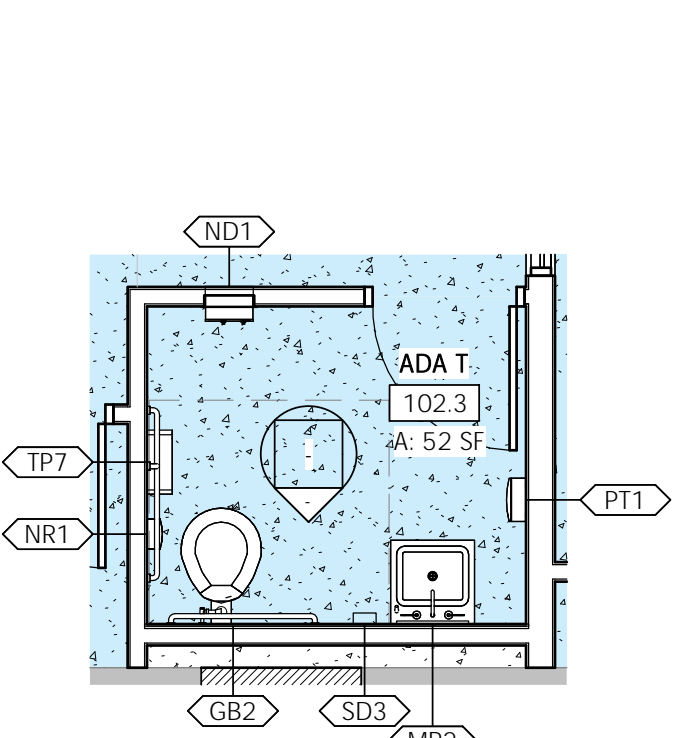
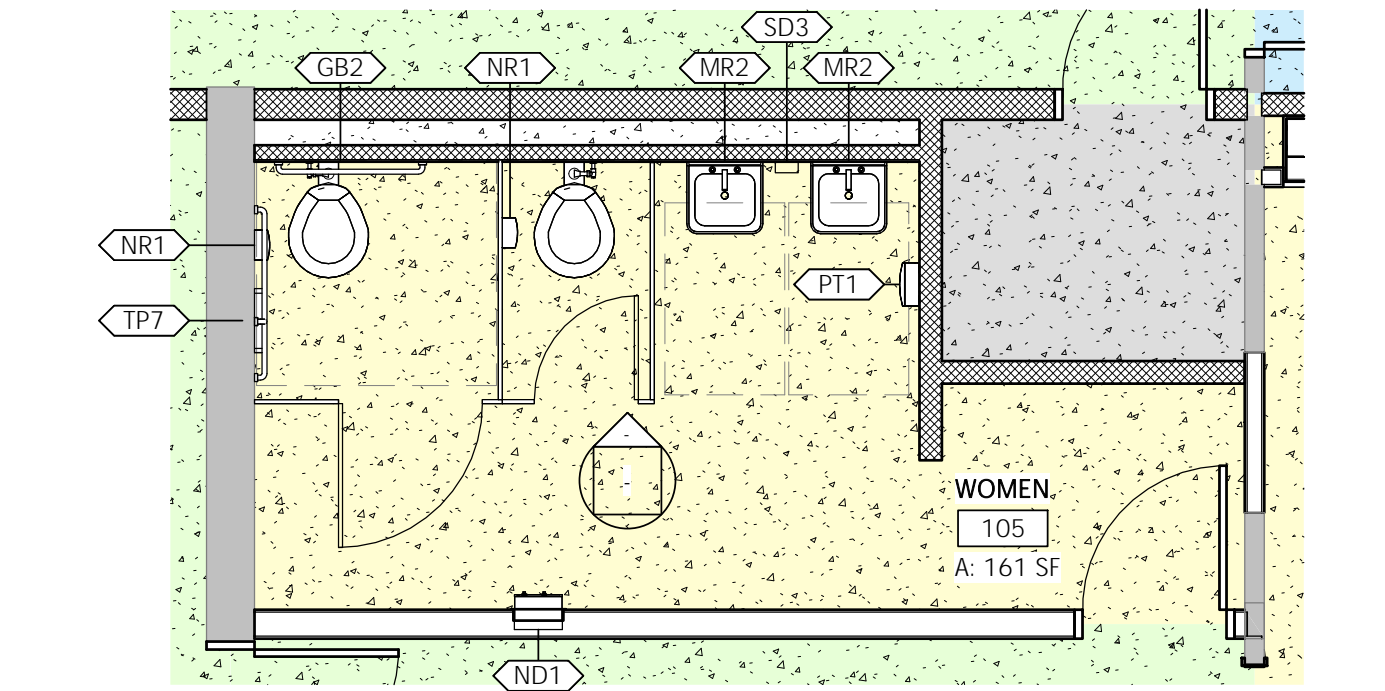
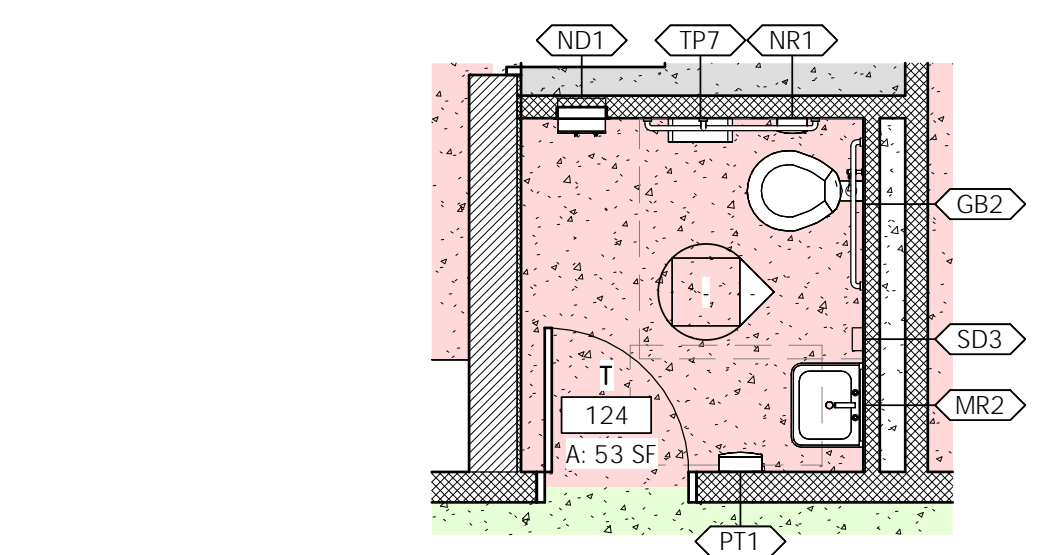
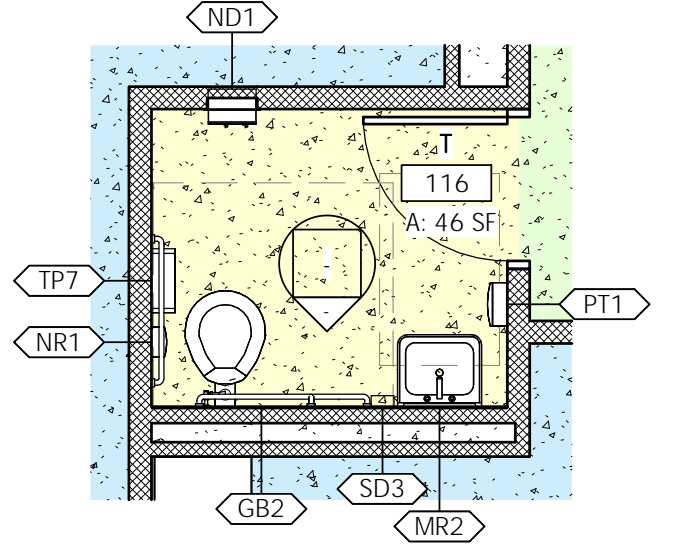
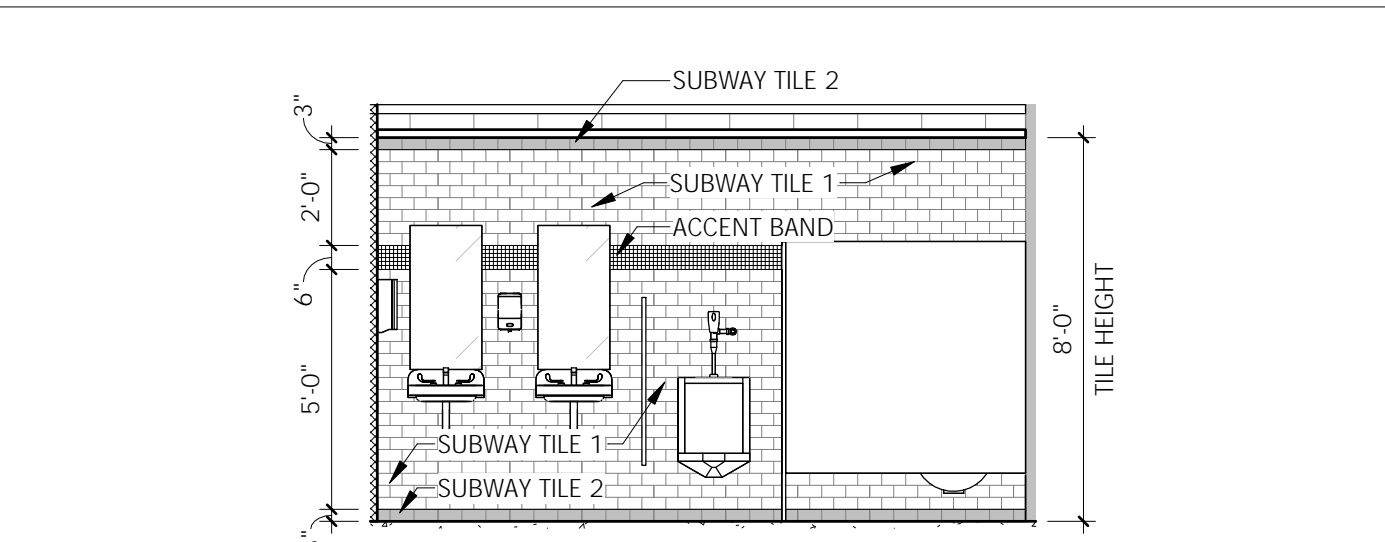
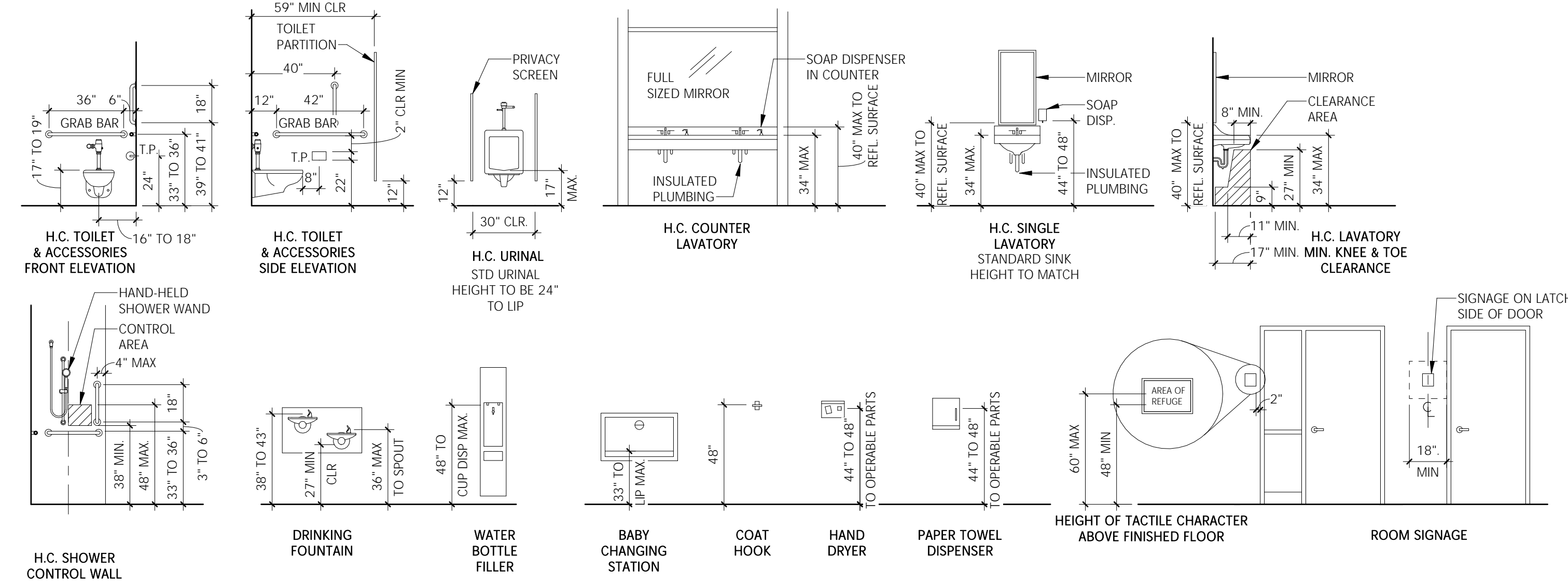


A8 STAIR DETAIL AT TOP LANDING
Scale: 1 1/2" = 1'-0"

TP7	PT1	NR2	MR2	SD3	RH1	
10 28 00 LARGE ROLL TOILET PAPER DISPENSER	10 28 00 PAPER TOWEL DISPENSER	10 28 00 NAPKIN RECEPTACLE	08 08 00 MIRROR FRAMELESS	10 28 00 SOAP DISPENSER	10 28 00 ROBE HOOK	
FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR			FURNISHED BY OWNER, INSTALLED BY CONTRACTOR		
SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SEMI-RECESS MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED	
PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	
ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	SIDE ELEVATION	
GB2	GB6	BH1	BH2	SS2	CR1	CS1
10 28 00 GRAB BAR	10 28 00 Transfer Shower Grab Bar	10 28 00 MOP AND BROOM HOLDER	10 28 00 HOOK STRIP	10 28 00 DRESSING ROOM / SHOWER SEAT	10 28 00 SHOWER CURTAIN ROD	10 28 00 DIAPER CHANGING STATION
SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	SURFACE MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER	RECESS MOUNTED VERIFY LOCATIONS IN FIELD WITH OWNER
PLAN	PLAN	PLAN	PLAN	PLAN	PLAN	PLAN
ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION	ELEVATION

TYPICAL ACCESSIBLE FIXTURE & ACCESSORY HEIGHTS

PROJECT TO COMPLY WITH 2010 ADA STANDARDS & ICC A117.1-2015.



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VITAL INFORMATION REQUIRED FOR THE
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WORK IS CONTAINED IN THE PROJECT
MANUAL PREPARED FOR THIS PROJECT

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING:
ENLARGED RESTROOM PLANS &
SCHEDULES

PROJECT NO: 22-950 DATE: 05-31-2023
SHEET NUMBER:

A500

OPENING GENERAL NOTES & ABBREVIATIONS

- SEE FIRE RATING REQUIREMENTS ON DOOR AND FRAME SCHEDULE FOR GLAZING RATINGS
- STOPS FOR GLAZING IN BORROW LITES TO BE PLACED ON ROOM SIDE TYPICAL
- INSTALL VISION SHADES @ ALL INTERIOR DOOR & BORROWED LT. GLASS PLUS EXTERIOR WINDOW SHADES @ ALL EXTERIOR WINDOWS.
- ALL EXTERIOR HM DOORS AND FRAMES TO BE INSULATED
- CONTACTS ON ALL EXTERIOR DOORS
- PER IBC 2015, SECTION 2406.4 - LOCATIONS AS SPECIFIED SHALL BE CONSIDERED HAZARDOUS, REQUIRING SAFETY GLAZING MATERIALS:
 - Glazing in all fixed and operable panels of swinging, sliding and bifold doors
 - Glazing adjacent to a door where the nearest vertical edge of the glazing is within a 24" arc of either edge of the door in a closed position AND where the bottom of the exposed edge of the glazing is less than 60" above the walking surface
 - Glazing in fixed or operable panels of windows that meet ALL of the following requirements:
 - The exposed area of an individual pane is greater than 9 square feet (0.84 m²).
 - The bottom edge of the glazing is less than 18 inches (457 mm) above the floor.
 - The top edge of the glazing is greater than 36 inches (914 mm) above the floor.
 - One or more walking surface(s) are within 36 inches (914 mm), measured horizontally and in a straight line, of the plane of the glazing
 - Glazing in Guards and Railings
 - Glazing where the bottom exposed edge of the glazing is less than 60 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps
- SEE IBC 2015, Sec 2046.4 FOR ADDITIONAL HAZARDOUS AREAS AND EXCEPTION

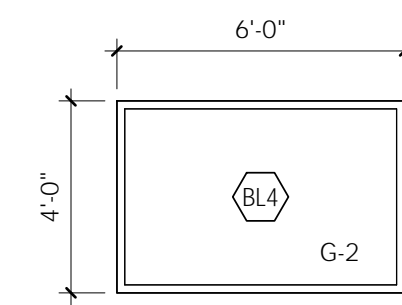
ABBREVIATIONS:
 ALUM - ALUMINUM-FRAMED STOREFRONT (08 43 13)
 HM - HOLLOW METAL FRAMES (08 12 13)
 SCW - SOLID CORE WOOD (08 14 16)
 SRW - STILE AND RAIL WOOD (08 14 33)
 FGT - FACTORY APPLIED FINISH
 PTD - PAINTED (09 91 23)

IECC 2015
 PER TABLE 502.3 BUILDING ENVELOPE REQUIREMENTS:
 FENESTRATION (ZONE 6)

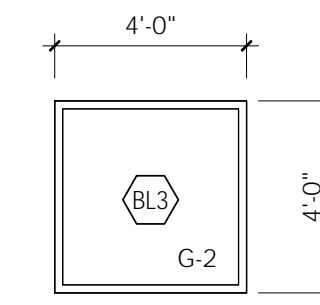
GLAZING ABBREVIATIONS

- TYPE G-1** - FLOAT GLASS
TYPE G-2 - SAFETY GLAZING
TYPE G-3 - FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE G-4 - FIRE-PROTECTION-RATED GLAZING (45-60 MINUTES)
TYPE G-5 - IMPACT RESISTANT LAMINATED GLASS
TYPE G-6 - BALLISTIC GLASS & FRAME
TYPE G-7 - SPANDREL GLASS
TYPE G-8 - FIRE-PROTECTION-RATED LAMINATED SAFETY GLAZING

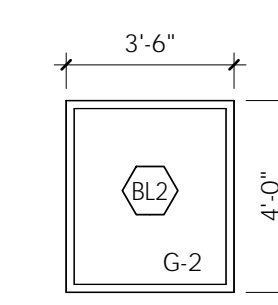
- TYPE IG-1** - INSULATING GLASS UNITS: FLOAT GLASS, DOUBLE GLAZED
TYPE IG-2 - INSULATING GLASS UNITS: SAFETY GLAZING
TYPE IG-3 - INSULATING GLASS UNITS: FIRE-RESISTANCE-RATED GLAZING (20 MINUTES OR LESS)
TYPE IG-4 - INSULATING GLASS UNITS: FIRE-PROTECTED RATED GLAZING (45-60 MINUTES - 20 MINUTE SIDELITES WHERE APPLICABLE)
TYPE IG-5 - INSULATING IMPACT RESISTANT LAMINATED GLASS
TYPE IG-6 - KALWALL



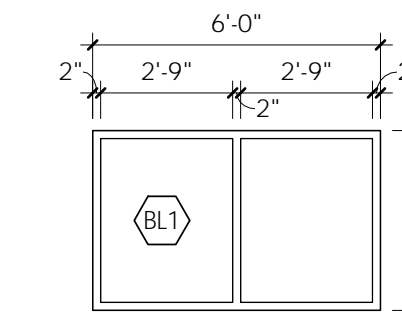
BL4 BORROWED LITE 4
 Scale: 1/4" = 1'-0"



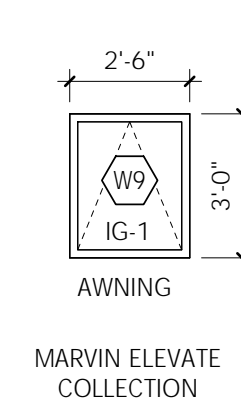
BL3 BORROWED LITE 3
 Scale: 1/4" = 1'-0"



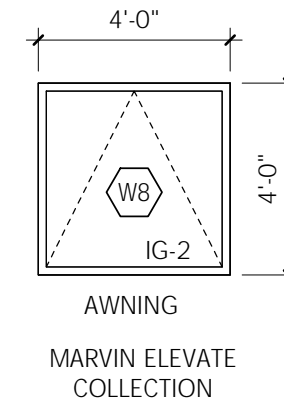
BL2 BORROWED LITE 2
 Scale: 1/4" = 1'-0"



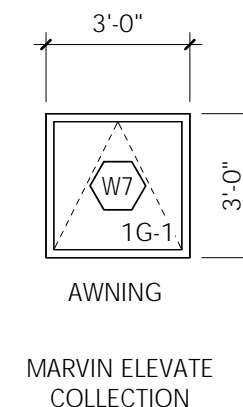
BL1 BORROWED LITE 1 - DISPATCH
 Scale: 1/4" = 1'-0"



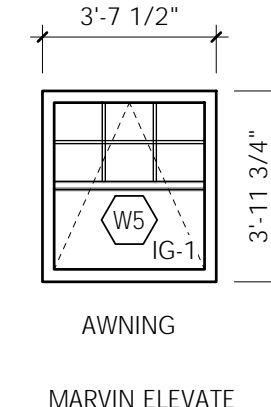
W9 WINDOW W9
 Scale: 1/4" = 1'-0"



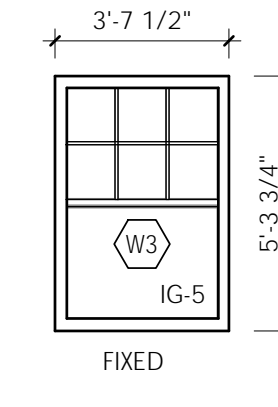
W8 WINDOW W8
 Scale: 1/4" = 1'-0"



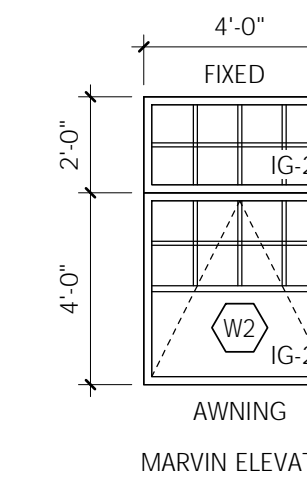
W7 WINDOW W7
 Scale: 1/4" = 1'-0"



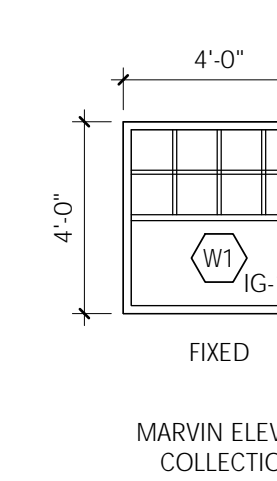
W5 WINDOW W5
 Scale: 1/4" = 1'-0"



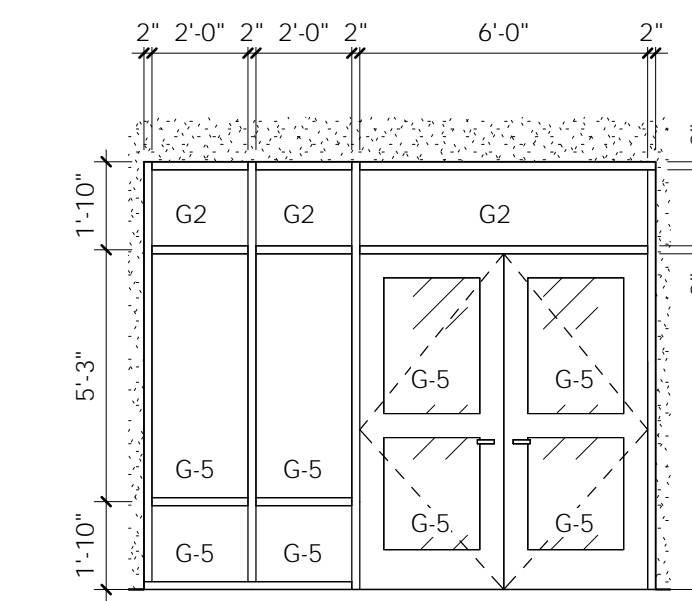
W3 WINDOW W3
 Scale: 1/4" = 1'-0"



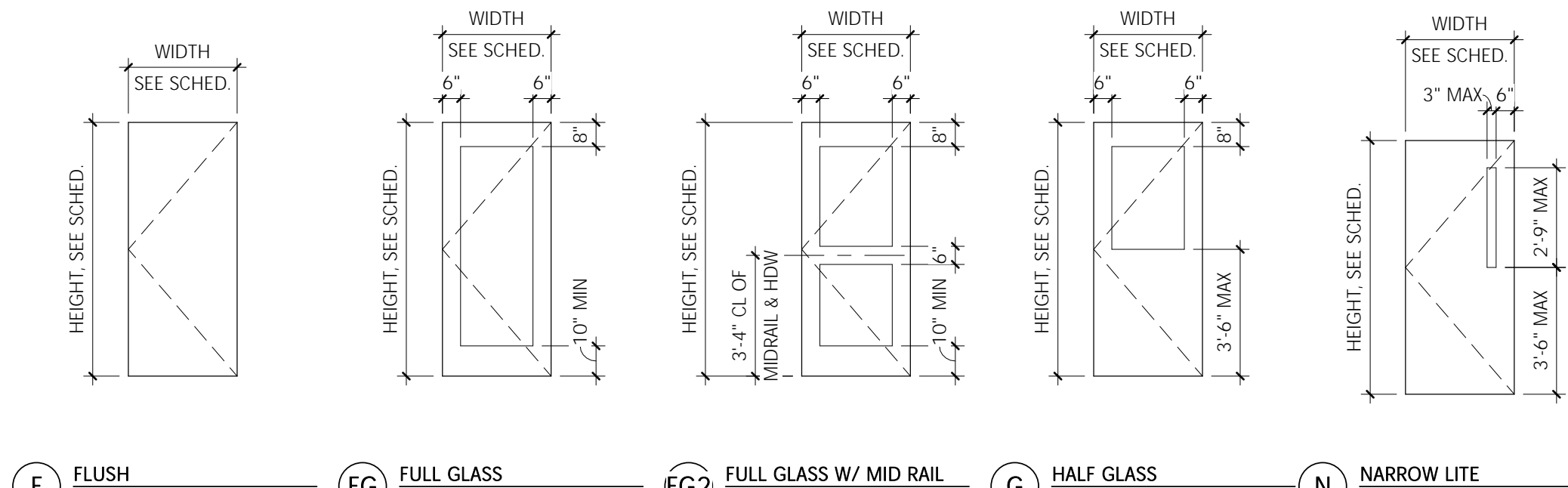
W2 WINDOW W2
 Scale: 1/4" = 1'-0"



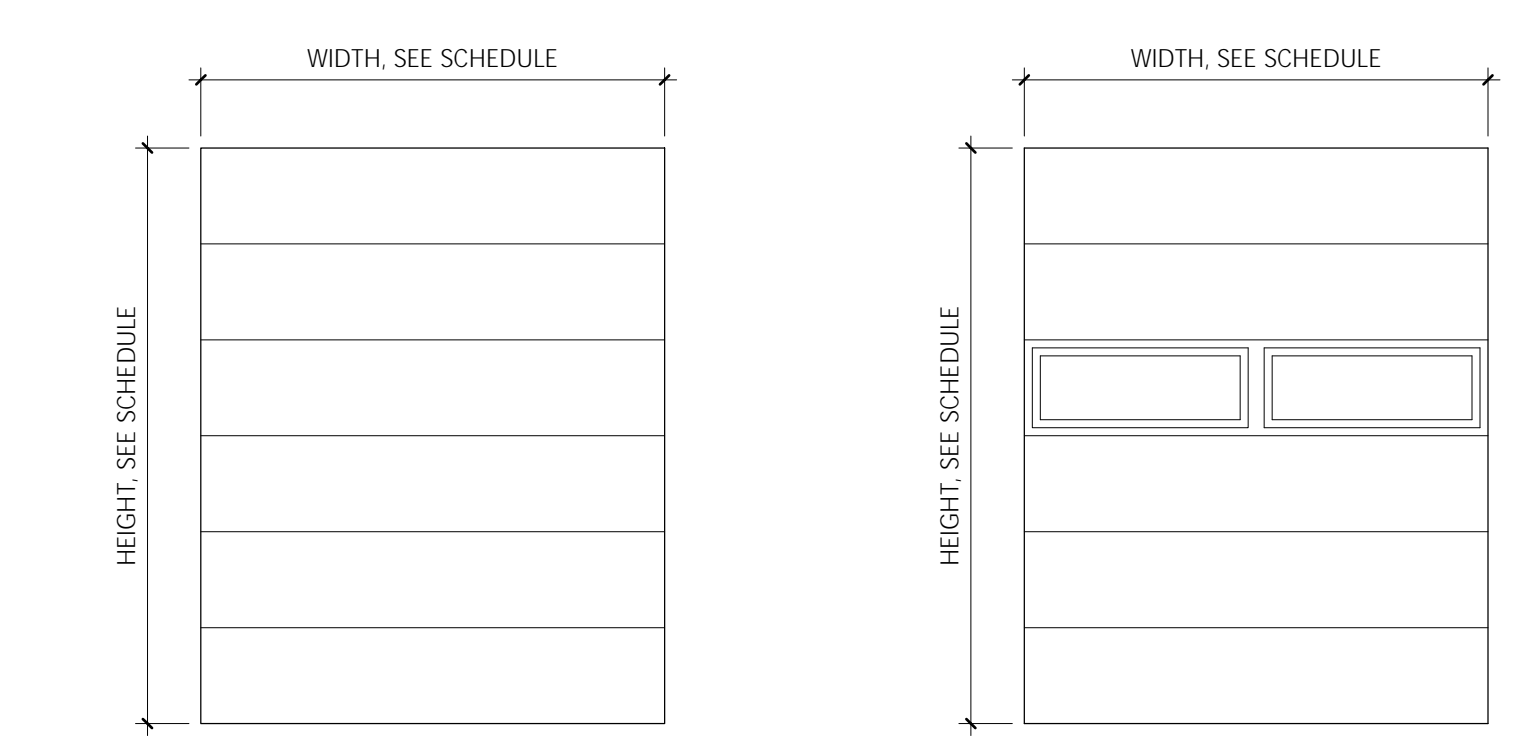
W1 WINDOW W1
 Scale: 1/4" = 1'-0"



001B STOREFRONT ELEVATION - ENTRY VESTIBULE
 Scale: 1/4" = 1'-0"

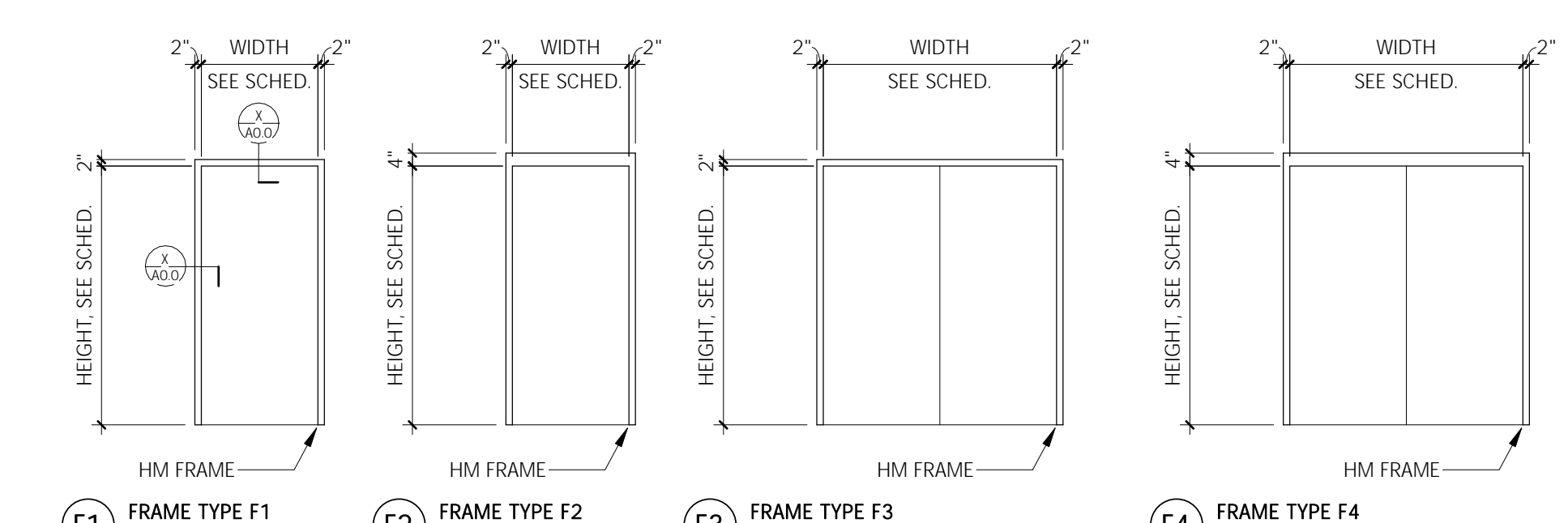


F FLUSH 1/4" = 1'-0"
FG FULL GLASS 1/4" = 1'-0"
FG2 FULL GLASS W/ MID RAIL 1/4" = 1'-0"
G HALF GLASS 1/4" = 1'-0"
N NARROW LITE 1/4" = 1'-0"

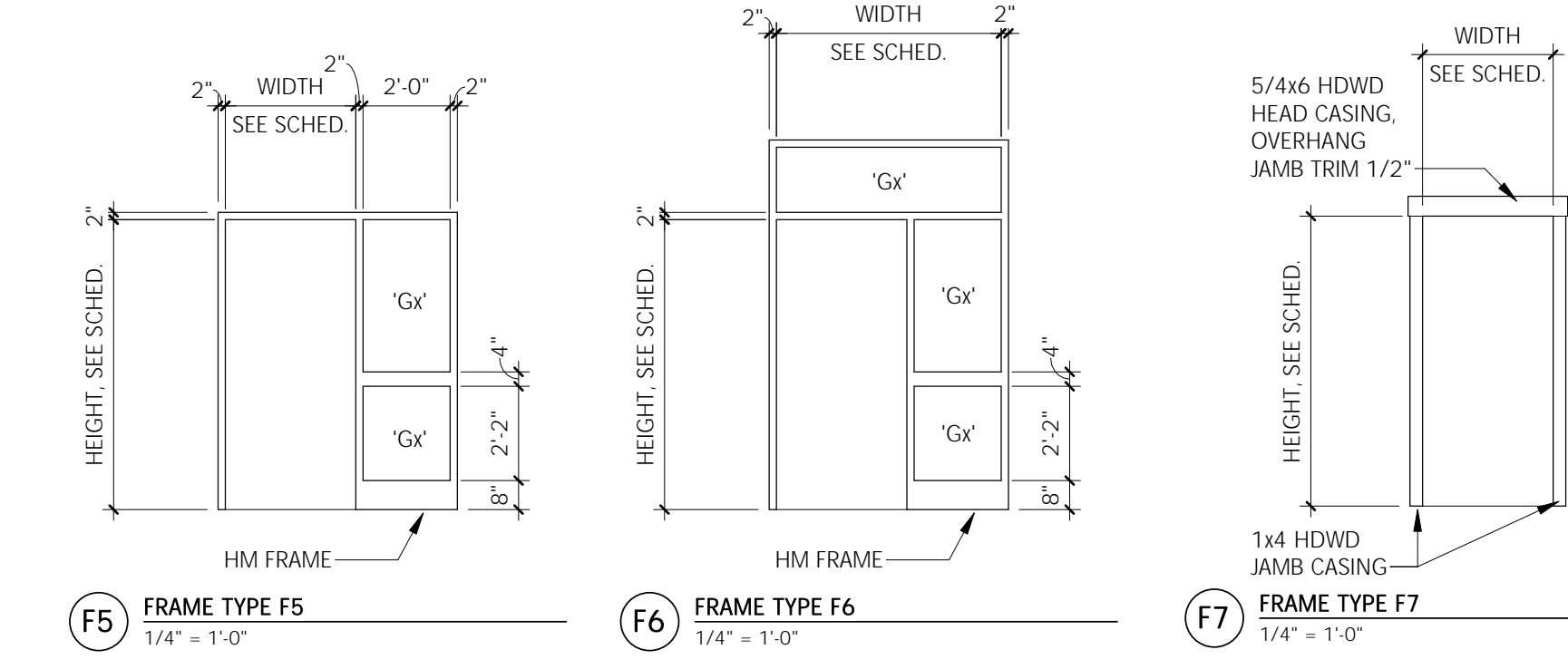


OH OVERHEAD SECTIONAL DOOR 1/4" = 1'-0"
OH1 OVERHEAD SECTIONAL DOOR 1/4" = 1'-0"

DOOR TYPES



F1 FRAME TYPE F1 1/4" = 1'-0"
F2 FRAME TYPE F2 1/4" = 1'-0"
F3 FRAME TYPE F3 1/4" = 1'-0"
F4 FRAME TYPE F4 1/4" = 1'-0"



F5 FRAME TYPE F5 1/4" = 1'-0"
F6 FRAME TYPE F6 1/4" = 1'-0"
F7 FRAME TYPE F7 1/4" = 1'-0"

FRAME TYPES



THE CARRIAGE HOUSE
 6 SOUTH PARK STREET
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PROGRESS SET
 NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
 WOLFEBORO PUBLIC SAFETY BUILDING
 251 SOUTH MAIN STREET,
 WOLFEBORO, NH

ISSUED:
 DESIGN DEVELOPMENT

DRAWING:
 DOOR AND WINDOW TYPES

PROJECT NO: 22-950 **DATE:** 05-31-2023

SHEET NUMBER:
A601

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

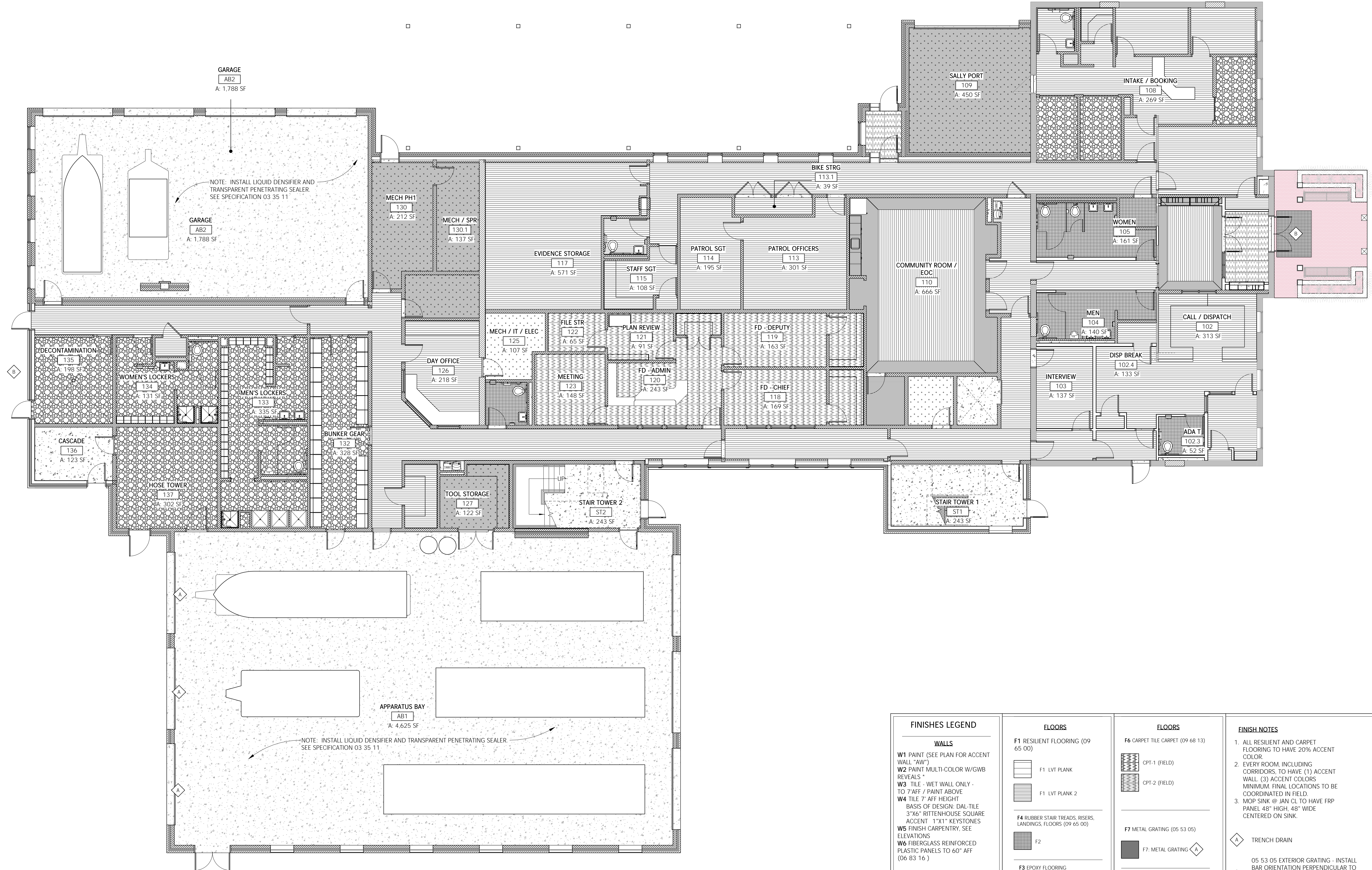
PROJECT:
**WOLFEBORO PUBLIC SAFETY
BUILDING**
251 SOUTH MAIN STREET,
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING:
LEVEL 1 FINISH PLAN

PROJECT NO: 22-950 DATE: 05-31-2023
SHEET NUMBER:

A801



GARAGE
AB2
A: 1,788 SF

GARAGE
AB2
A: 1,788 SF

NOTE: INSTALL LIQUID DENSIFIER AND
TRANSPARENT PENETRATING SEALER.
SEE SPECIFICATION 03 35 11

WOMEN'S LOCKERS
134
A: 131 SF

MEN'S LOCKERS
133
A: 335 SF

CASCADE
136
A: 123 SF

HOSE TOWER
137
A: 302 SF

BUNKER GEAR
132
A: 328 SF

TOOL STORAGE
127
A: 122 SF

STAIR TOWER 2
ST2
A: 243 SF

APPARATUS BAY
AB1
A: 4,625 SF

STAIR TOWER 1
ST1
A: 243 SF

NOTE: INSTALL LIQUID DENSIFIER AND
TRANSPARENT PENETRATING SEALER.
SEE SPECIFICATION 03 35 11

SALLY PORT
109
A: 450 SF

INTAKE / BOOKING
108
A: 269 SF

BIKE STRG
113 1
A: 39 SF

MECH PH1
130
A: 212 SF

MECH / SPR
130 1
A: 137 SF

EVIDENCE STORAGE
117
A: 571 SF

STAFF SGT
115
A: 108 SF

PATROL SGT
114
A: 195 SF

PATROL OFFICERS
113
A: 301 SF

**COMMUNITY ROOM /
EOC**
110
A: 666 SF

WOMEN
105
A: 161 SF

CALL / DISPATCH
102
A: 313 SF

MEN
104
A: 140 SF

INTERVIEW
103
A: 137 SF

DISP BREAK
102 4
A: 133 SF

ADA T
102 3
A: 52 SF

FILE STR
122
A: 65 SF

PLAN REVIEW
121
A: 91 SF

FD - DEPUTY
119
A: 163 SF

FD - ADMIN
120
A: 243 SF

FD - CHIEF
118
A: 169 SF

DAY OFFICE
126
A: 218 SF

MECH / IT / ELEC
125
A: 107 SF

MEETING
123
A: 148 SF

MECH PH1
130
A: 212 SF

MECH / SPR
130 1
A: 137 SF

EVIDENCE STORAGE
117
A: 571 SF

STAFF SGT
115
A: 108 SF

PATROL SGT
114
A: 195 SF

PATROL OFFICERS
113
A: 301 SF

**COMMUNITY ROOM /
EOC**
110
A: 666 SF

WOMEN
105
A: 161 SF

CALL / DISPATCH
102
A: 313 SF

MEN
104
A: 140 SF

INTERVIEW
103
A: 137 SF

DISP BREAK
102 4
A: 133 SF

ADA T
102 3
A: 52 SF

FILE STR
122
A: 65 SF

PLAN REVIEW
121
A: 91 SF

FD - DEPUTY
119
A: 163 SF

FD - ADMIN
120
A: 243 SF

FD - CHIEF
118
A: 169 SF

DAY OFFICE
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A: 218 SF

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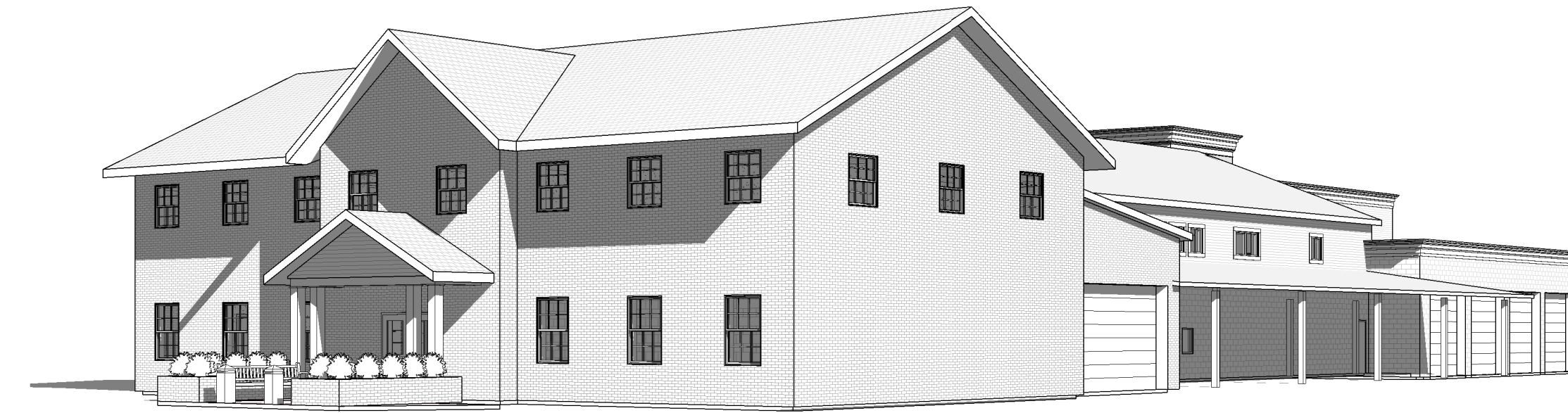
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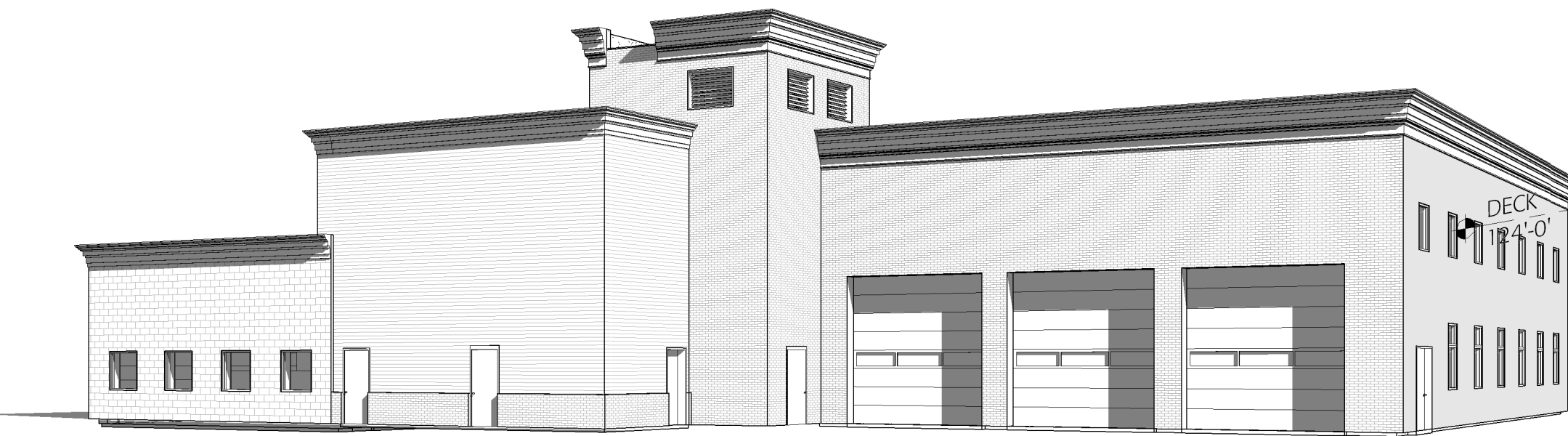
INTERVIEW
103
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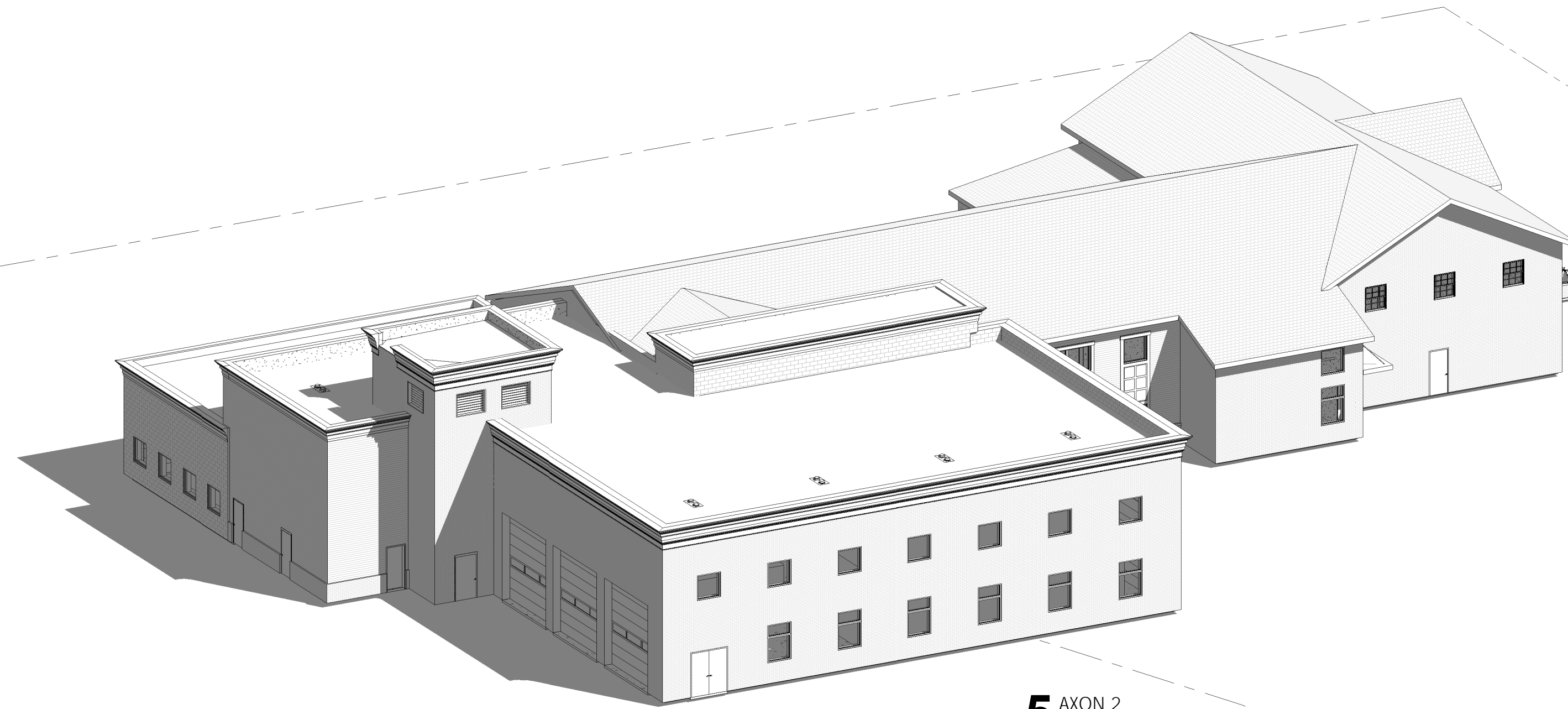
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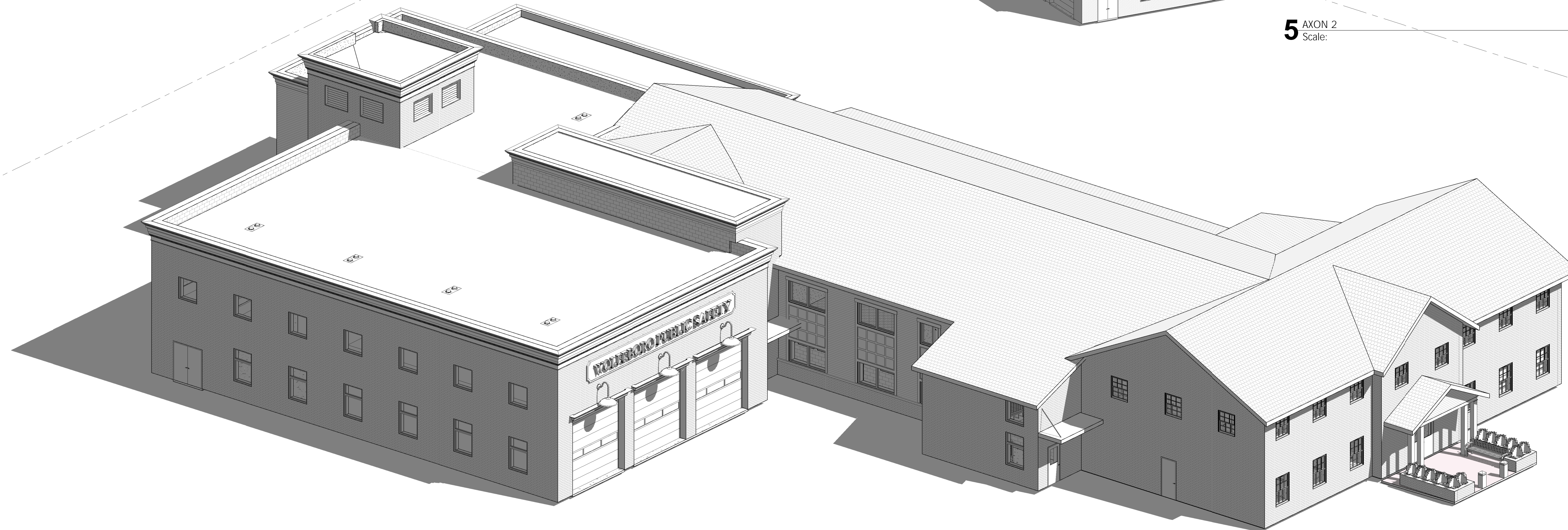
3 3D View 17
Scale:



4 3D View 18
Scale:



5 AXON 2
Scale:



1 AXON 1
Scale:

VITAL INFORMATION REQUIRED FOR THE
SUCCESSFUL COMPLETION OF THE
WORK IS CONTAINED IN THE PROJECT
MANUAL PREPARED FOR THIS PROJECT.

PROGRESS SET
NOT FOR CONSTRUCTION

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
251 SOUTH MAIN STREET,
WOLFEBORO, NH

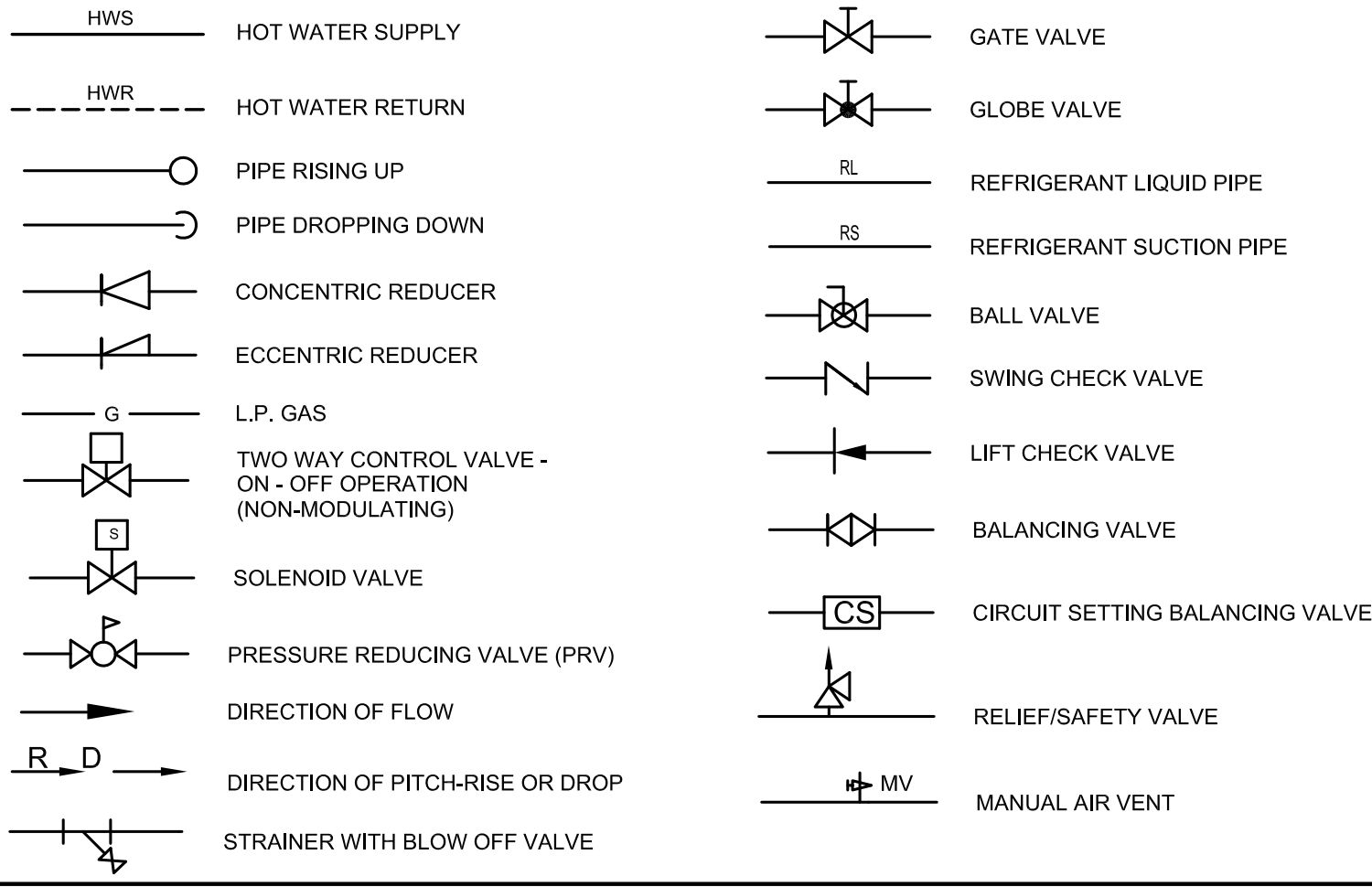
ISSUED:
DESIGN DEVELOPMENT

DRAWING:
3-DIMENSIONAL SKETCHES

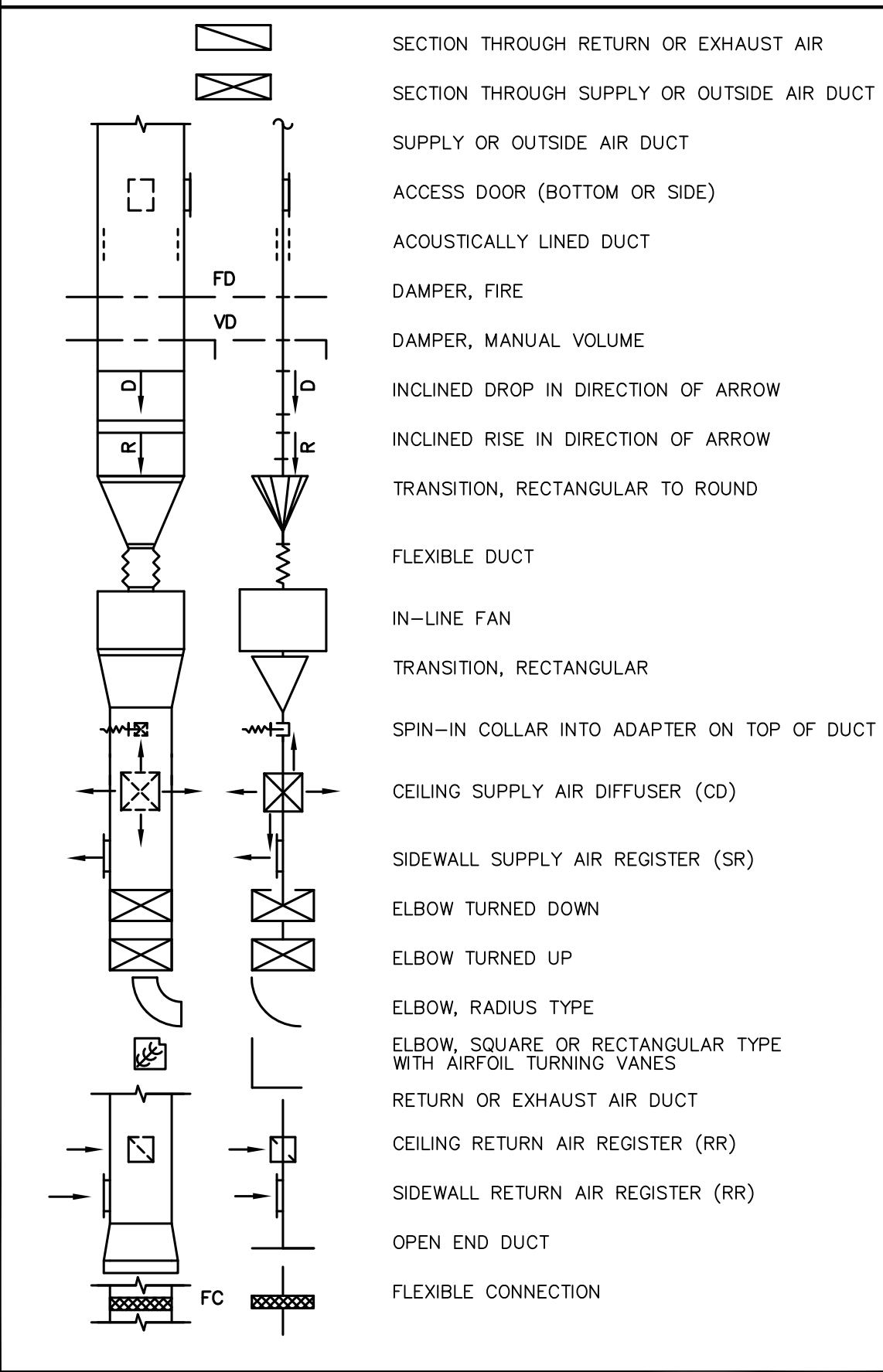
PROJECT NO: 22-950 **DATE:** 05-31-2023

SHEET NUMBER:
A900

PIPING ELEMENTS/VALVING



DUCTWORK SYMBOLS



HVAC NOTES

- SCOPE OF WORK**
 - A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
 - B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL MECHANICAL CODE 2018 AND THE INTERNATIONAL BUILDING CODE 2018.
 - C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
 - D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER OR ARCHITECT.
- PERMITS**
 - A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.
- SHOP DRAWINGS**
 - A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
- FLEXIBLE TYPE DUCT**
 - A. SHALL BE OF TWO ELEMENT SPIRAL CONSTRUCTION COMPOSED OF A CORROSION RESISTANT METAL SUPPORTING SPIRAL AND COATED FABRIC WITH A MINERAL BASE. FLEXIBLE DUCT CONNECTORS SHALL BE LISTED BY U.L., CLASS 1 DUCTS, AND SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50.
 - B. USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO NO MORE THAN 14 LINEAR FEET PER RUN.
 - C. CONTRACTOR SHALL BE CAREFUL SO AS NOT TO KINK OR COLLAPSE FLEXIBLE DUCT.
- DUCTWORK**
 - A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.
 - B. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON DRAWINGS.
 - C. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS.
 - D. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM.
 - E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE.
 - F. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
 - G. ALL CONCEALED DUCTWORK SHALL BE INSULATED WITH 1-1/2" FIBERGLASS INSULATING BLANKET WITH ALUMINUM FOIL FACING.
- DRAINAGE PIPING (CONDENSATE)**
 - A. SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT JOINTS. PITCH HORIZONTAL LINES 1" IN 10'-0". CONDENSATE DRAINS SHALL BE FIELD ROUTED TO THE ROOF OR INDIRECT WASTE DRAIN BY THE MECHANICAL CONTRACTOR. PROVIDE CONDENSATE PUMPS AS REQUIRED.
- HVAC CONTROLS**
 - A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED.
- ELECTRICAL**
 - A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.
- PIPE SUPPORTS**
 - A. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR METAL STRAP TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED 8 FEET FOR ALL PIPING. PLASTIC PIPING TO BE SUPPORTED EVERY 4 FEET.
- MISCELLANEOUS**
 - A. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE. TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE.
 - B. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
 - C. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
 - D. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
 - E. THE FOLLOWING EQUIPMENT SHALL BE IDENTIFIED WITH AN ENGRAVED BAKELITE NAMEPLATE AS TO NAME, EQUIPMENT NUMBER AND FUNCTION: CLASSROOM VENTILATION UNITS, ROOFTOP UNITS, DUCTLESS SPLIT UNITS, PUMPS, BOILERS, AIR HANDLERS AND CABINET/UNIT HEATERS.
 - F. ALL NEW VALVES SHALL BE IDENTIFIED WITH A BRASS VALVE TAG. THE MECHANICAL CONTRACTOR SHALL PROVIDE A VALVE CHART AND LOCATION PLAN FOR ALL NEW VALVES.
 - G. TAG ALL DDC "UNT" AND "DX9100" CONTROL POINTS WITH TYPED DESCRIPTIVE TAG. THE CONTROLS CONTRACTOR SHALL PROVIDE A LOCATION PLAN FOR ALL CONTROL POINTS.
 - TESTING AND BALANCING**
 - A. THE HVAC SYSTEM SHALL BE TESTED AND BALANCED BY AN INDEPENDENT AGENCY, UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL. BALANCE AIR AND WATER SYSTEMS.
 - GUARANTEE**
 - A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
 - B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

HOT WATER PIPING SPECIFICATIONS

- PIPING - COPPER PIPE (TUBE) - ASTM B-88 - TYPE L HARD DRAWN.
- FITTINGS - COOPER - WROUGHT OR CAST COOPER, SOLDER TYPE. PROGRESS FITTINGS ARE AN ALTERNATE TO SOLDERED FITTINGS.
- PIPE JOINTS - SILVER SOLDER.
- INSULATION
 - INDOOR 1" THICK FIBERGLASS SNAP-ON TYPE PIPE INSULATION WITH ALL SERVICE JACKET, BY CERTAINTED OR EQUAL.
- VALVES - CLASS 125 OR CLASS 150 VALVES SUITABLE FOR HOT WATER SERVICE.
- PROVIDE VENTS AT ALL HIGH POINTS OF HOT WATER PIPING.
- PROVIDE DRAINS AT ALL LOW POINTS OF HOT WATER PIPING.
- INSTALL ALL HOT WATER HEATING EQUIPMENT IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL BALANCING VALVES (B&G CIRCUIT SETTERS) ON THE HOT WATER RETURN PIPE FROM EACH HEATING UNIT.
- MECHANICAL CONTRACTOR SHALL BALANCE THE HOT WATER FLOW TO EACH HEATING UNIT AND PROVIDE A COMPLETE TYPE WRITTEN BALANCING REPORT FOR REVIEW AND APPROVAL OF THE DESIGN ENGINEER.
- PROVIDE ISOLATION BALL VALVES AT ALL EQUIPMENT TAKE-OFFS AND AT ALL BRANCH PIPING.

GENERAL

- (E) EXISTING EQUIPMENT TO REMAIN
- (R) EXISTING EQUIPMENT TO BE RELOCATED
- (ER) EXISTING EQUIPMENT TO BE REMOVED
- (RE) REPLACE EXISTING WITH NEW
- (N) NEW
- ⊗ TERMINATION POINT OF DEMOLITION
- ⊙ CONNECT NEW TO EXISTING
- SHEET NOTE
- ⊖ EQUIPMENT DESIGNATION

HVAC CONTROL SYMBOLS

SYMBOL	DESCRIPTION
	CONTROL VALVE, 2-WAY
	CONTROL VALVE, 3-WAY
	ROOM OR ZONE THERMOSTAT
	DUCT THERMOSTAT
	THERMOMETER
	DUCT TEMPERATURE SENSOR
	DAMPER MOTOR
	DAMPER
	MOTOR
	BYPASS DAMPER
	ZONE DAMPER
	TIMER SWITCH
	DUCT MOUNTED SMOKE DETECTOR
	VARIABLE SPEED CONTROLLER
	CO2 DETECTOR
	HUMIDISTAT

GRILLE - REGISTER - DIFFUSER SCHEDULE

EQUIPMENT NO.	SIZE	TYPE	MANUFACTURER & MODEL	FINISH	OPTIONS-ACCESSORIES
CD-1	6X6	CEILING DIFFUSER	HART & COOLEY MODEL ART 6X6 (4-WAY)	WHITE	• DAMPER • 4-WAY BLOW
CD-2	6X6	CEILING DIFFUSER	HART & COOLEY MODEL ARE 6X6 (3-WAY)	WHITE	• DAMPER • 3-WAY BLOW
CD-3	9X9	CEILING DIFFUSER	HART & COOLEY MODEL ART 9X9 (4-WAY)	WHITE	• DAMPER • 4-WAY BLOW
CD-4	6X6	CEILING DIFFUSER	HART & COOLEY MODEL ARE 6X6 (4-WAY)	WHITE	• DAMPER • 4-WAY BLOW
CD-5	9X9	CEILING DIFFUSER	HART & COOLEY MODEL ARE 9X9 (4-WAY)	WHITE	• DAMPER • 4-WAY BLOW
CD-6	12X12	CEILING DIFFUSER	HART & COOLEY MODEL ART 12X12 (4-WAY)	WHITE	• DAMPER • 4-WAY BLOW
RG-1	22X12	RETURN GRILLE	HART & COOLEY MODEL RH45 - 22X12	WHITE	
EG-1	22X12	EXHAUST GRILLE	HART & COOLEY MODEL RH45 - 22X12	WHITE	

NOTE: ① ALL REGISTERS, GRILLES AND DIFFUSERS SHALL BE AS SPECIFIED, OR EQUAL BY PRICE INDUSTRIES.

ELECTRIC CABINET HEATER SCHEDULE

EQUIPMENT NO.	VOLTS/PHASE	AMPS	KW	BTU HR.	MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
ECH-1	120/1	12.5	1.5	5120	QMARK MODEL AWH3150F	• RECESSED MOUNTING BOX • LINE VOLTAGE WALL MOUNT THERMOSTAT
ECH-2	208/1	14.4	3.0	10235	QMARK MODEL AWH4404F	• RECESSED MOUNTING BOX • LINE VOLTAGE WALL MOUNT THERMOSTAT

NOTES:

FAN SCHEDULE

EQUIPMENT NO.	SERVICE	LOCATION	CFM	STATIC PRESS. (IN. W.G.)	MOTOR			MANUFACTURER & MODEL	OPTIONS-ACCESSORIES	
					WATTS	HP	RPM			
EF-1	TOILET ROOM	CEILING	75	0.25	16.9	—	870	120-160	GREENHECK MODEL SP-A90	• BACKDRAFT DAMPER • CEILING GRILLE • WALL CAP • LIGHT SWITCH CONTROL
EF-2	TOILET ROOM	CEILING	125	0.25	54.2	—	1400	120-160	GREENHECK MODEL SP-A190	• BACKDRAFT DAMPER • CEILING GRILLE • WALL CAP • LIGHT SWITCH CONTROL
EF-3	TOILET ROOM	CEILING	150	0.25	54.2	—	1400	120-160	GREENHECK MODEL SP-A190	• BACKDRAFT DAMPER • CEILING GRILLE • WALL CAP • LIGHT SWITCH CONTROL
EF-4	KITCHEN HOOD	ROOF	1500	1.5	—	1.0	1589	208-360	GREENHECK MODEL CUBE-141-10	• ROOF CURB • PROVIDE START-STOP SWITCH FOR EF-4 AND MAU-1 NEXT TO KH-1 • PROVIDE UNIT MOUNTED DISCONNECT.
EF-5	ELEV. MACH. RM.	CEILING	150	0.25	54.2	—	1400	120-160	GREENHECK MODEL SP-A190	• BACKDRAFT DAMPER • CEILING GRILLE • WALL CAP • THERMOSTAT CONTROL
EF-6	APPARATUS BAYS	WALL	5,000	0.5	—	3/4	1263	120-160	GREENHECK MODEL SBE-3H24-7	• GRAVITY DAMPER • WALL SLEEVE • WEATHERHOOD WITH INSECT SCREEN • ELECTRICAL CONTRACTOR TO PROVIDE 1 HOUR MECHANICAL TIMER SWITCH.
EF-7	HOSE TOWER	TOP OF TOWER	220	0.25	56.1	—	900	120-160	GREENHECK MODEL SP-A200	• BACKDRAFT DAMPER • INTAKE GRILLE • WALL CAP • HUMIDITY CONTROL SENSOR

ROOFTOP AIR HANDLING UNIT SCHEDULE

EQUIPMENT NO.	SERVICE	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	E.S.P. (IN. W.G.)	COOLING NOM. TONS	HEATING		FILTERS	ELECTRICAL		MANUFACTURER & MODEL	OPTIONS-ACCESSORIES		
						MBH INPUT	MBH OUTPUT		V.-PH.-CY.	MCA			MOCP	
RTU-1	LEVEL 2	2400	500	1.0	6.0	PROPANE	150	120	STANDARD	208-3-60	30	45	CARRIER MODEL 48FCFM07A3A5-0A0A0	• ROOF CURB • ECONOMIZER • CO2 CONTROL • WEIGHT: 1000 LB. (INCLUDES CURB)
RTU-2	LEVEL 2	2400	500	1.0	6.0	PROPANE	150	120	STANDARD	208-3-60	30	45	CARRIER MODEL 48FCFM07A3A5-0A0A0	• ROOF CURB • ECONOMIZER • CO2 CONTROL • WEIGHT: 1000 LB. (INCLUDES CURB)
RTU-3	LEVEL 1	3000	600	1.0	7.5	PROPANE	180	148	STANDARD	208-3-60	40	50	CARRIER MODEL 48FCFM08A3A5-0A0A0	• ROOF CURB • ECONOMIZER • CO2 CONTROL • WEIGHT: 1200 LB. (INCLUDES CURB)

NOTES: ① PROVIDE DUCT MOUNTED SMOKE DETECTOR ON RETURN AIR DUCT OF EACH RTU.



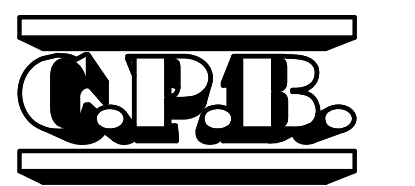
THE CARRIAGE HOUSE
6 SOUTH PARK STREET
LEBANON, NH 03786
T: 603 448 3778

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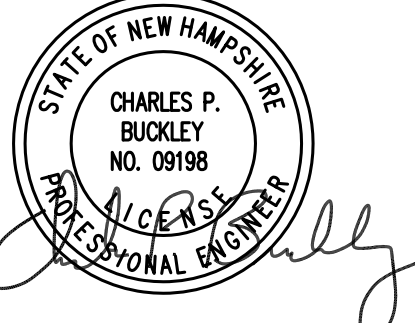
CONSULTANTS / DESIGN TEAM:

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P.O. BOX 629
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TEL. (603) 786-8992
FAX. (603) 786-2366



N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
HVAC NOTES, SYMBOLS AND DETAILS

PROJECT NO: 22-950 DATE: MAY 31, 2023
SHEET NUMBER:

M101

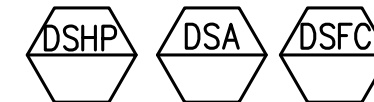
ENERGY RECOVERY VENTILATION UNIT



EQUIPMENT NO.	SERVICE	SUPPLY AIR (CFM)	EXH. AIR (CFM)	SUPPLY E.S.P. (IN. W.G.)	EXHAUST E.S.P. (IN. W.G.)	WEIGHT (LBS.)	FILTERS	ELECTRICAL			MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
								V.-PH.-CY.	MCA	MOCP		
ERV-1 (ROOFTOP UNIT)	LOCKER ROOMS - DECONTAMINATION	1050	1250	0.5"	0.5"	600	2" MERV 8	208-1-60	7.7	15	RENEWARE MODEL HE1.5JRTV-D15SS-DANTF-L	<ul style="list-style-type: none"> • CURB • SCECM REMOTE POTENTIOMETER SPEED C

NOTES:

DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE



INDOOR UNIT	OUTDOOR UNIT	COOLING CAPACITY (BTU/HR.)	HEATING CAPACITY (BTU/HR.)	CFM	STATIC PRESS. (IN. W.G.)	SEER-COP (EFFICIENCY)	REFRIGERANT PIPING		ELECTRICAL	MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
							LIQUID	SUCTION			
DSW-1A	DSHP-1	28,400	28,600	514		17-3.6	1/4"	1/2"	31.5 40 208/1/60	<ul style="list-style-type: none"> • CONDENSATE PUMP • MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IMC - 2018. • HARD WIRED THERMOSTAT (BY MITSUBISHI) • INDOOR HP UNIT TO HAVE DISCONNECT. • PROVIDE 18" QUICK SLING STAND. 	
DSW-2A	DSHP-2	8,500	8,600	437		17-3.6	1/4"	3/8"	31.5 40 208/1/60	<ul style="list-style-type: none"> • CONDENSATE PUMP • MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IMC - 2018. • HARD WIRED THERMOSTAT (BY MITSUBISHI) • INDOOR HP UNIT TO HAVE DISCONNECT. • PROVIDE 18" QUICK SLING STAND. 	
DSW-3A	DSHP-3	28,400	28,600	514		17-3.6	1/4"	1/2"	31.5 40 208/1/60	<ul style="list-style-type: none"> • CONDENSATE PUMP • MECHANICAL CONTRACTOR TO FIELD ROUTE CONDENSATE PIPING PER IMC - 2018. • HARD WIRED THERMOSTAT (BY MITSUBISHI) • INDOOR HP UNIT TO HAVE DISCONNECT. • PROVIDE 18" QUICK SLING STAND. 	

NOTES:

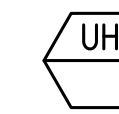
HOT WATER COIL SCHEDULE



EQUIPMENT NO.	SIZE	HEATING (BTU)	HOT WATER TEMPERATURES		HOT WATER FLOW RATE (GPM)	AIR FLOW (CFM)	MANUFACTURER	OPTIONS-ACCESSORIES
			SUPPLY (DEG. F.)	RETURN (DEG. F.)				
HWC-1	18x12	45,000	180	160	4.0	825	GREENHECK HOT WATER DUCT COIL	REFERENCE HOT WATER COIL PIPING DETAIL ON DWG. M106

NOTES:

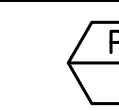
HOT WATER UNIT HEATER SCHEDULE



EQUIPMENT NO.	BTU/HR CAPACITY	CFM	MOTOR		WATER			AIR		MOUNTING HEIGHT	THROW (FT.)	MANUFACTURER & MODEL	OPTIONS-ACCESSORIES	
			HP	RPM	V.-PH.-CY.	GPM	ENT. °F	Δ P.	ENT. °F					LVG. °F
UH-1A.B.C.D	60,200	1340	1/8	1625	120-1-60	6.0	180	0.6	70	107	16'-0"	33	MODINE MODEL HC 86	<ul style="list-style-type: none"> • SUSPEND FROM STRUCTURE • MOUNT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. • REFERENCE DETAIL ON DRAWING M110.
UH-2A.B.C	30,900	730	1/12	1550	120-1-60	3.0	180	0.6	70	107	10'-0"	30	MODINE MODEL HC 47	<ul style="list-style-type: none"> • SUSPEND FROM STRUCTURE • MOUNT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. • REFERENCE DETAIL ON DRAWING M110.

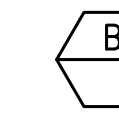
NOTES:

PUMP SCHEDULE



EQUIPMENT NO.	SERVICE	LOCATION	GPM	TOTAL HEAD (HEAD)	MOTOR				MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
					HP	RPM	VOLT.-PH.-CY.	FLA		
P-1	HOT WATER HEATING SYSTEM	MECH. PH1 123.1	29	50	1.0	—	208-3-60	4.6	B & G MODEL BG_104309 - B&G ECOCIRC XL 65-130	<ul style="list-style-type: none"> • REFERENCE DETAIL ON DWG. M106 • 2" IPS ISOLATORS • CONSTANT PRESSURE CONTROL • PROVIDE STATIC PRESSURE SWITCH • LEAD-LAG PUMP CONTROL • E.C. TO PROVIDE DISCONNECT
P-2	HOT WATER HEATING SYSTEM	MECH. PH1 123.1	29	50	1.0	—	208-3-60	4.6	B & G MODEL BG_104309 - B&G ECOCIRC XL 65-130	<ul style="list-style-type: none"> • REFERENCE DETAIL ON DWG. M106 • 2" IPS ISOLATORS • CONSTANT PRESSURE CONTROL • PROVIDE STATIC PRESSURE SWITCH • LEAD-LAG PUMP CONTROL • E.C. TO PROVIDE DISCONNECT

PROPANE FIRED HOT WATER BOILER SYSTEM SCHEDULE



EQUIPMENT NO.	SERVICE	GROSS OUTPUT (MBH)	GROSS INPUT (MBH)	EXHAUST VENT	INTAKE AIR	ELECTRICAL		MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
						AMPS	VOLT.-PH.-CY.		
B-1	WOLFORD FIRE DEPARTMENT	264	265	3"	3"	FLA = 5 AMPS MOCP = 15 AMPS	120-1-60	• LOCHINVAR MODEL WHB285N	<ul style="list-style-type: none"> • FULLY MODULATING BURNER 5:1 TURNDOWN. • SMART SYSTEM DIGITAL OPERATING CONTROL. • OUTDOOR RESET. • PUMP CONTROL. • BOILER SEQUENCING CONTROL. • BOILER CIRCULATING ECM 0-10 PUMP. • WALL MOUNT BRACKET. • 4" PVC CONCENTRIC VENT TERMINATION THROUGH ROOF. • VITROGATE 300 BACNET/MODBUS GATEWAY (QTY. OF 1) • LOW WATER CUT-OFF W/BURNER CONTROL HARNESS.
B-2	WOLFORD FIRE DEPARTMENT	264	265	3"	3"	FLA = 5 AMPS MOCP = 15 AMPS	120-1-60	• LOCHINVAR MODEL WHB285N	<ul style="list-style-type: none"> • FULLY MODULATING BURNER 5:1 TURNDOWN. • SMART SYSTEM DIGITAL OPERATING CONTROL. • OUTDOOR RESET. • PUMP CONTROL. • BOILER SEQUENCING CONTROL. • BOILER CIRCULATING ECM 0-10 PUMP. • WALL MOUNT BRACKET. • 4" PVC CONCENTRIC VENT TERMINATION THROUGH ROOF. • VITROGATE 300 BACNET/MODBUS GATEWAY (QTY. OF 1) • LOW WATER CUT-OFF W/BURNER CONTROL HARNESS.

MAKE-UP AIR UNIT SCHEDULE



EQUIPMENT NO.	SERVICE	AIR FLOW (CFM)	E.S.P. (IN. W.G.)	INPUT (MBH)	OUTPUT (MBH)	GAS CONN. SIZE	ELECTRICAL			MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
							V.-PH.-CY.	MCA	MOCP		
MAU-1	KITCHEN HOOD (ROOF MTD.)	1500	1.0	131.7	121.2	3/4"	208-3-60	14.7	20	GREENHECK MODEL DGX-108-H124-I	<ul style="list-style-type: none"> • PROVIDE MODULATING GAS BURNER CONTROLLED BY SUPPLY DISCHARGE AIR SENSOR. • WITH ROOF CURB • WEIGHT: 900 LB. (INCLUDES CURB)

NOTES:
 1. UNIT CONTROLS - KFC-1 CONTROL PANEL
 2. TEMPERATURE CONTROL - DISCHARGE CONTROL
 3. SUPPLY FAN VFD BY FACTORY
 4. SUPPLY FAN CONTROL - CONSTANT VOLUME
 5. HEATING INLET SENSOR
 6. DIRTY FILTER SWITCH
 7. FREEZE PROTECTION
 8. WEATHERHOOD - ALUMINUM MESH FILTER
 9. SUPPLY AIR FILTERS - 2" MERV 8
 10. OUTDOOR AIR INLET DAMPER - LOW LEAKAGE
 11. FM COMPLIANT

KITCHEN EXHAUST HOOD SCHEDULE



EQUIPMENT NO.	SERVICE	EXHAUST AIR (CFM)	LENGTH (FT.)	WIDTH (FT.)	HEIGHT (FT.)	MATERIAL OF CONSTRUCTION	FILTERS	LAMPS	ELECTRICAL		MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
									V.-PH.-CY.	AMPS		
KH-1	KITCHEN 208	1500	5'-0"	3'-3"	24"	430 STAINLESS STEEL	S.S. BAFFLE FILTERS	(2) INCAND./CFL	120-1-60	5	GREENHECK MODEL GHEW	<ul style="list-style-type: none"> • PROVIDE WITH COMPLETE ANSUL FIRE PROTECTION SYSTEM.

NOTES:
 1. MOUNTING HEIGHT - 80" OFF FINISHED FLOOR.
 2. FACTORY MOUNTED EXHAUST COLLAR.
 3. EXTERNAL SUPPLY PLENUM AND COLLAR.
 4. PROVIDE GAS SHUT-OFF VALVE - TO BE INSTALLED BY PLUMBING CONTRACTOR.



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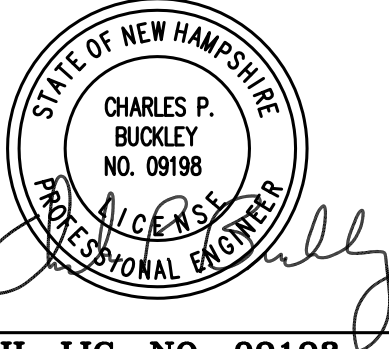
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N.H. LIC. NO. 09198

REVISION DATE COMMENTS

KEY PLAN & NORTH ARROW:

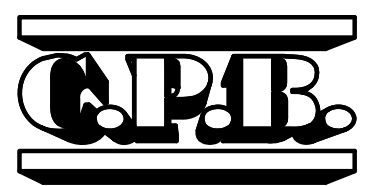
PROJECT:
 WOLFEBORO PUBLIC SAFETY BUILDING
 SOUTH MAIN ST.
 WOLFEBORO, NH

ISSUED:
 DESIGN DEVELOPMENT

DRAWING TITLE:
 HVAC SCHEDULES

PROJECT NO: 22-950 DATE: MAY 31, 2023
 SHEET NUMBER:

M102



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NO. 09198
LICENSED PROFESSIONAL ENGINEER
N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
B WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
LEVEL 1 HVAC PLAN

PROJECT NO: 22-950 DATE: MAY 31, 2023
SHEET NUMBER:

M103

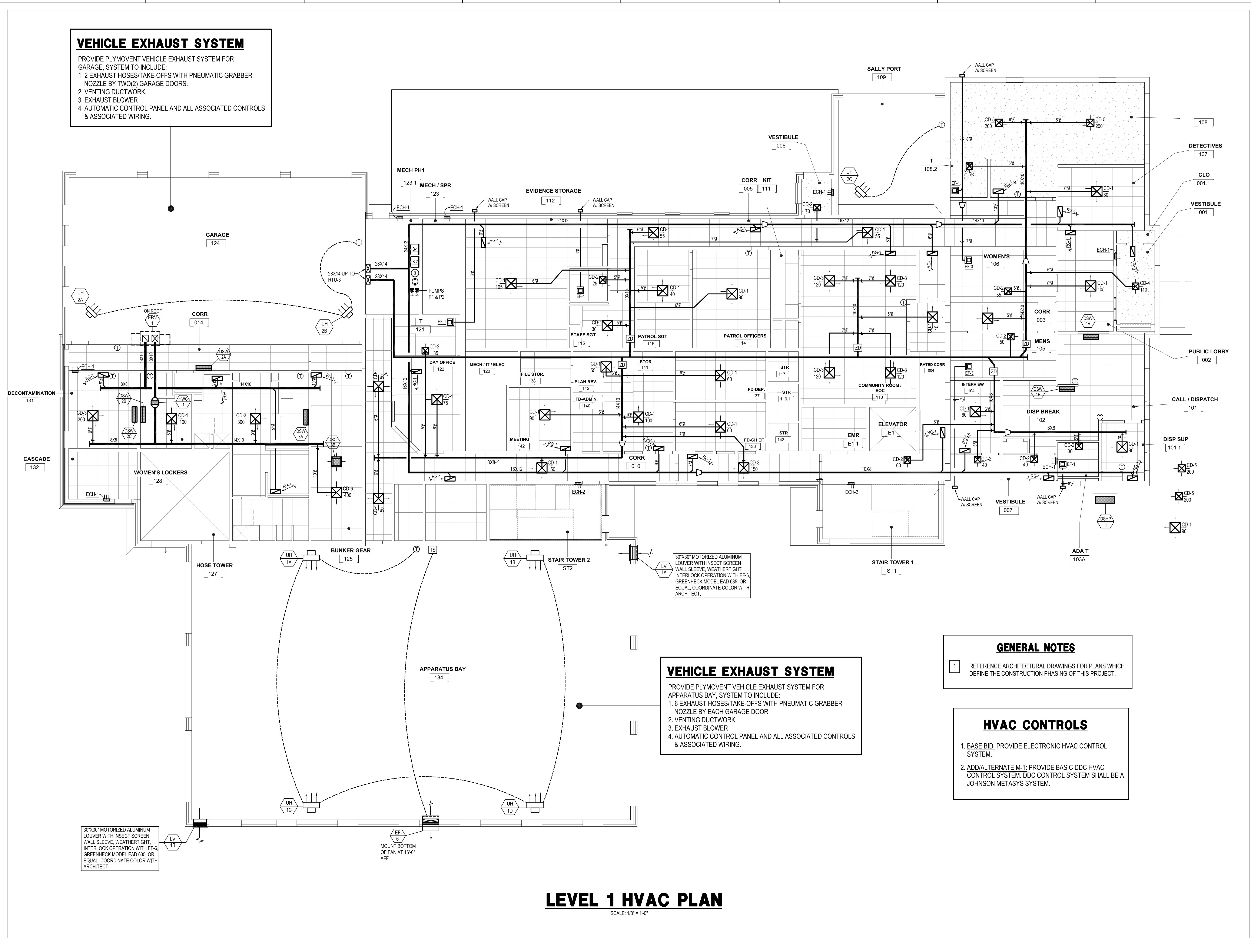
VEHICLE EXHAUST SYSTEM
PROVIDE PLYMOVENT VEHICLE EXHAUST SYSTEM FOR GARAGE. SYSTEM TO INCLUDE:
1. 2 EXHAUST HOSES/TAKE-OFFS WITH PNEUMATIC GRABBER NOZZLE BY TWO(2) GARAGE DOORS.
2. VENTING DUCTWORK.
3. EXHAUST BLOWER
4. AUTOMATIC CONTROL PANEL AND ALL ASSOCIATED CONTROLS & ASSOCIATED WIRING.

VEHICLE EXHAUST SYSTEM
PROVIDE PLYMOVENT VEHICLE EXHAUST SYSTEM FOR APPARATUS BAY. SYSTEM TO INCLUDE:
1. 6 EXHAUST HOSES/TAKE-OFFS WITH PNEUMATIC GRABBER NOZZLE BY EACH GARAGE DOOR.
2. VENTING DUCTWORK.
3. EXHAUST BLOWER
4. AUTOMATIC CONTROL PANEL AND ALL ASSOCIATED CONTROLS & ASSOCIATED WIRING.

GENERAL NOTES
1 REFERENCE ARCHITECTURAL DRAWINGS FOR PLANS WHICH DEFINE THE CONSTRUCTION PHASING OF THIS PROJECT.

HVAC CONTROLS
1. BASE BID: PROVIDE ELECTRONIC HVAC CONTROL SYSTEM.
2. ADDJALTERNATE M-1: PROVIDE BASIC DDC HVAC CONTROL SYSTEM. DDC CONTROL SYSTEM SHALL BE A JOHNSON METASYS SYSTEM.

LEVEL 1 HVAC PLAN
SCALE: 1/8" = 1'-0"

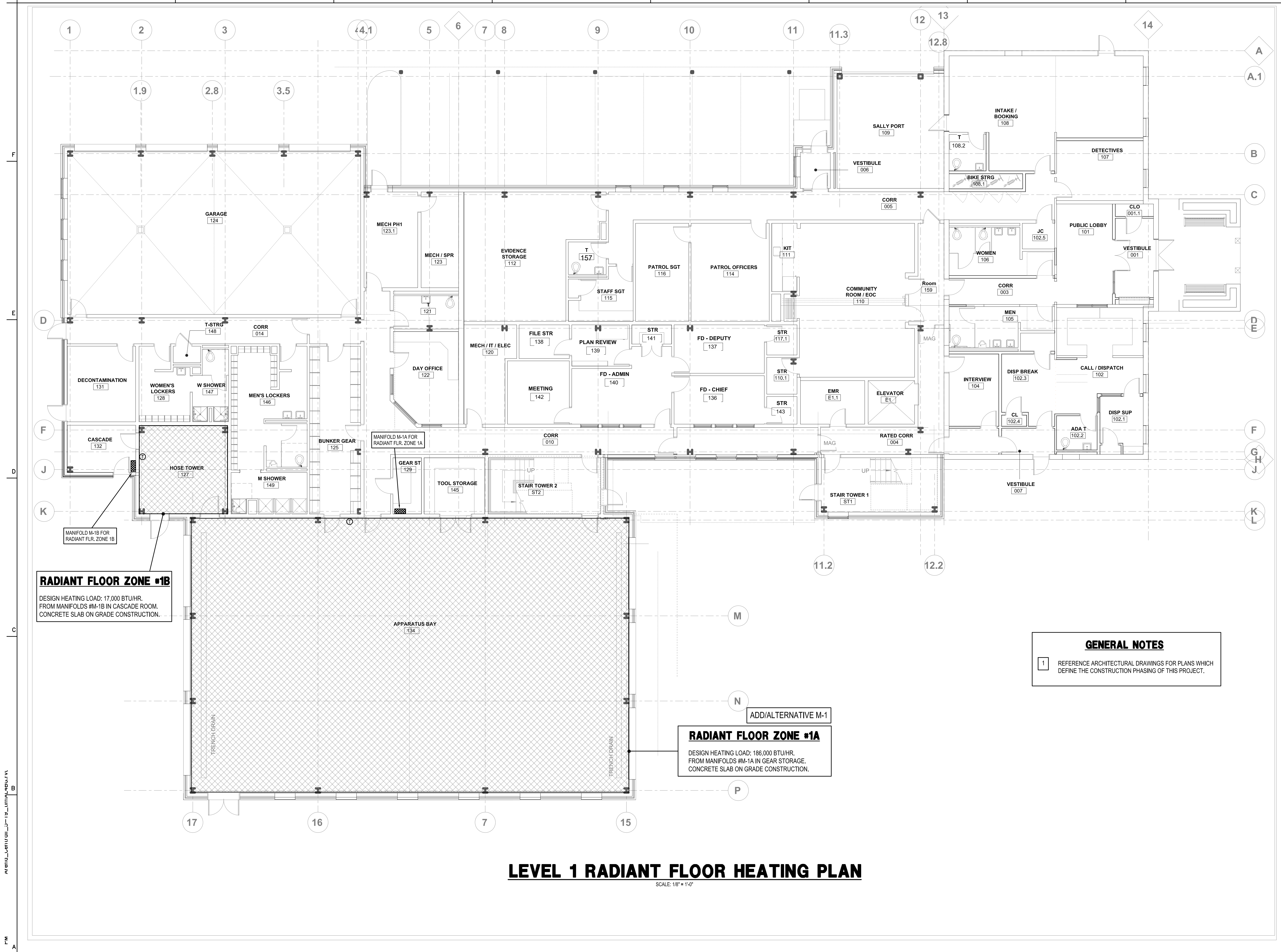


30"x30" MOTORIZED ALUMINUM LOUVER WITH INSECT SCREEN WALL SLEEVE, WEATHERTIGHT, INTERLOCK OPERATION WITH EF-6, GREENHECK MODEL EAD 635, OR EQUAL. COORDINATE COLOR WITH ARCHITECT.

30"x30" MOTORIZED ALUMINUM LOUVER WITH INSECT SCREEN WALL SLEEVE, WEATHERTIGHT, INTERLOCK OPERATION WITH EF-6, GREENHECK MODEL EAD 635, OR EQUAL. COORDINATE COLOR WITH ARCHITECT.

8
F
E
D
C
B
A

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8



RADIANT FLOOR ZONE #1B
 DESIGN HEATING LOAD: 17,000 BTU/HR.
 FROM MANIFOLDS #M-1B IN CASCADE ROOM.
 CONCRETE SLAB ON GRADE CONSTRUCTION.

RADIANT FLOOR ZONE #1A
 DESIGN HEATING LOAD: 186,000 BTU/HR.
 FROM MANIFOLDS #M-1A IN GEAR STORAGE.
 CONCRETE SLAB ON GRADE CONSTRUCTION.

GENERAL NOTES
 1 REFERENCE ARCHITECTURAL DRAWINGS FOR PLANS WHICH DEFINE THE CONSTRUCTION PHASING OF THIS PROJECT.

ADD/ALTERNATIVE M-1

LEVEL 1 RADIANT FLOOR HEATING PLAN

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



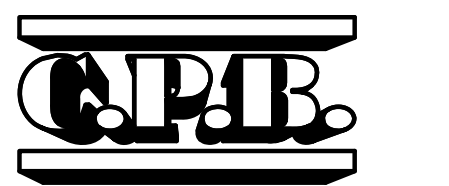
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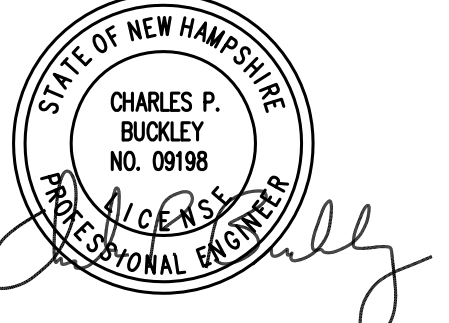
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N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

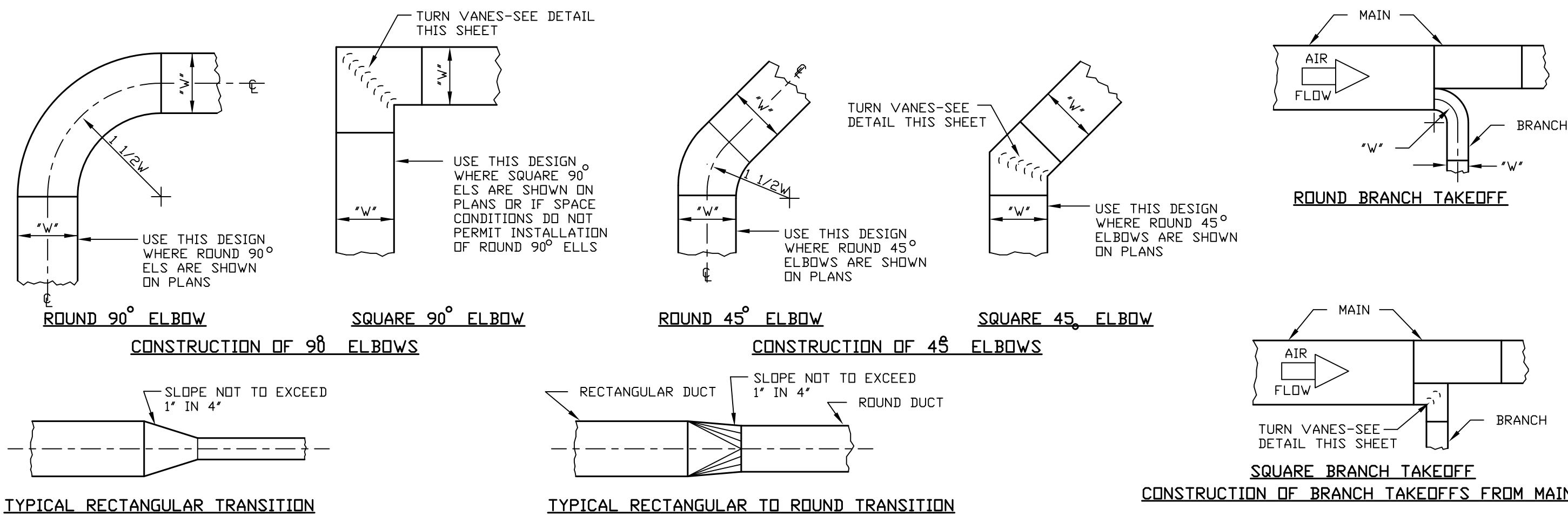
PROJECT:
 WOLFEBORO PUBLIC SAFETY BUILDING
 SOUTH MAIN ST.
 WOLFEBORO, NH

ISSUED:
 DESIGN DEVELOPMENT

DRAWING TITLE:
 LEVEL 1 RADIANT FLOOR HEATING PLAN

PROJECT NO:22-950 DATE: MAY 31, 2023
 SHEET NUMBER:

M105



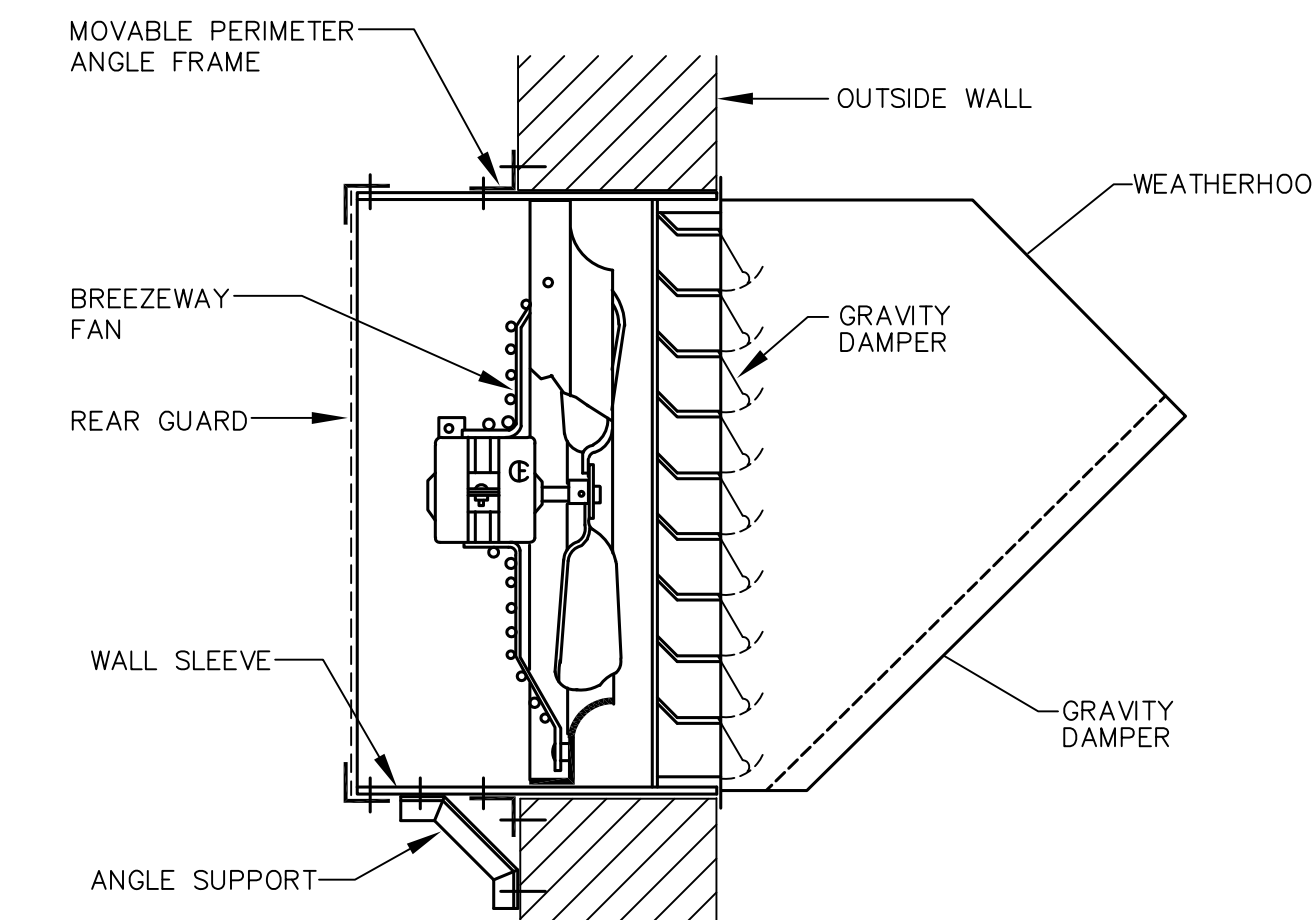
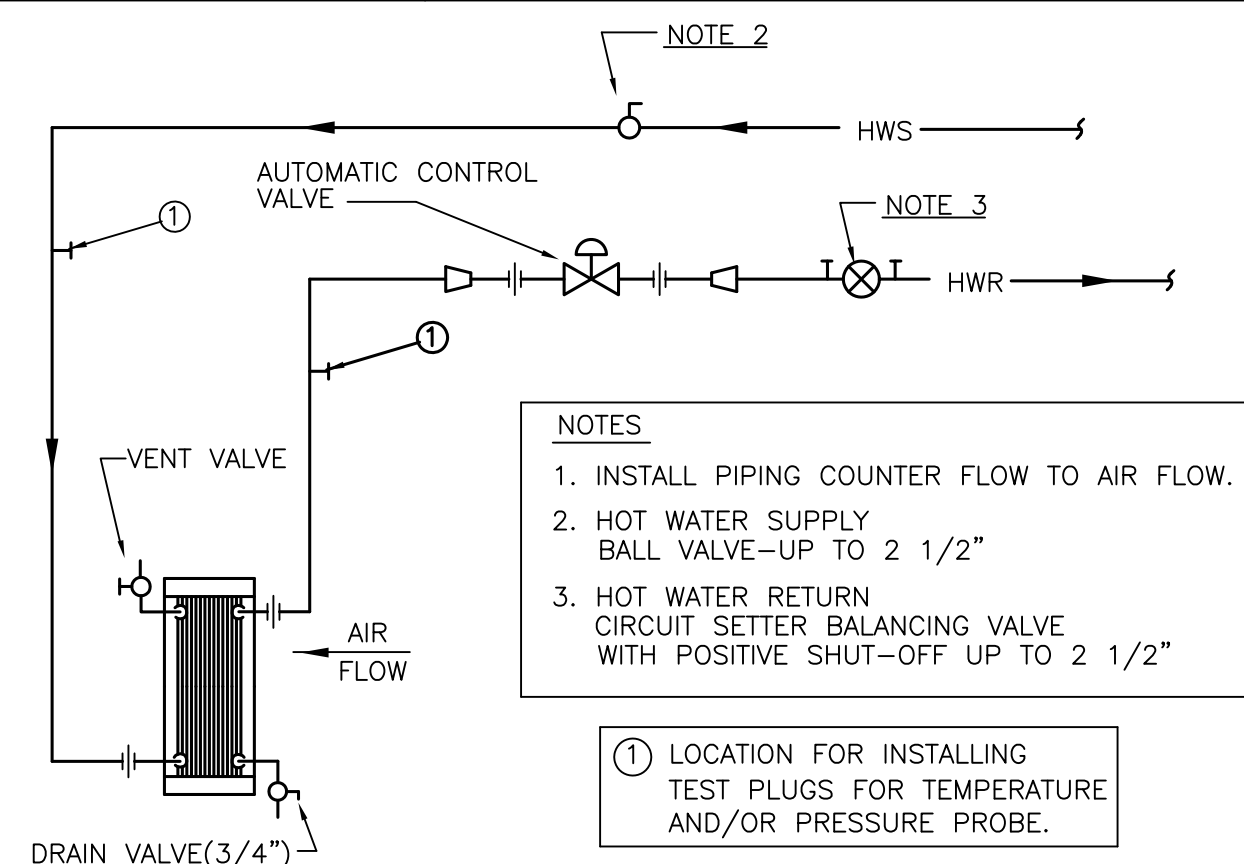
- INSTALLATION NOTES**
- ALL DUCTS SHALL BE CONSTRUCTED AND ERECTED IN A NEAT, AIR TIGHT MANNER.
 - DUCTS SHALL BE CONSTRUCTED OF THE WEIGHTS, GAGES AND MATERIAL SHOWN IN THE SCHEDULE ON THESE DRAWINGS.
 - THE DIMENSION SHOWN FOR ALL DUCTS SHOWN IN PLAN GIVE THE WIDTH FIRST AND THEN THE HEIGHT.
 - DUCT RISERS SHOULD BE SUPPORTED BY ANGLES AT EVERY FLOOR.
 - DUCTS SHALL BE SECURELY ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.
 - DIVERGING TRANSITION PIECES SHALL BE MADE AS GRADUAL AS POSSIBLE.
 - INSTALL FIRE DAMPERS IN ACCORDANCE WITH UL 555.
 - ACCESS PANELS SHOULD BE PLACED BEFORE AND/OR AFTER EQUIPMENT INSTALLED IN THE DUCT.
 - DUCT AREA SHOULD NOT BE DECREASED MORE THAN 10 PERCENT WHEN OBSTRUCTIONS CANNOT BE AVOIDED, AND THEN A STREAMLINED FITTING SHOULD BE USED.
 - FLEXIBLE FABRIC CONNECTIONS (OR EQUAL) SHOULD BE USED ON BOTH INLETS AND OUTLETS OF ALL FANS AND AIR HANDLING UNITS.
 - JOINTS AND SEAMS OF SUPPLY DUCTS SHALL BE FASTENED SECURELY AND MADE AIR TIGHT.

DETAILS OF THE LOW VELOCITY DUCT LAYOUT
NOT TO SCALE

DUCT CONSTRUCTION MINIMUM SHEET METAL THICKNESSES

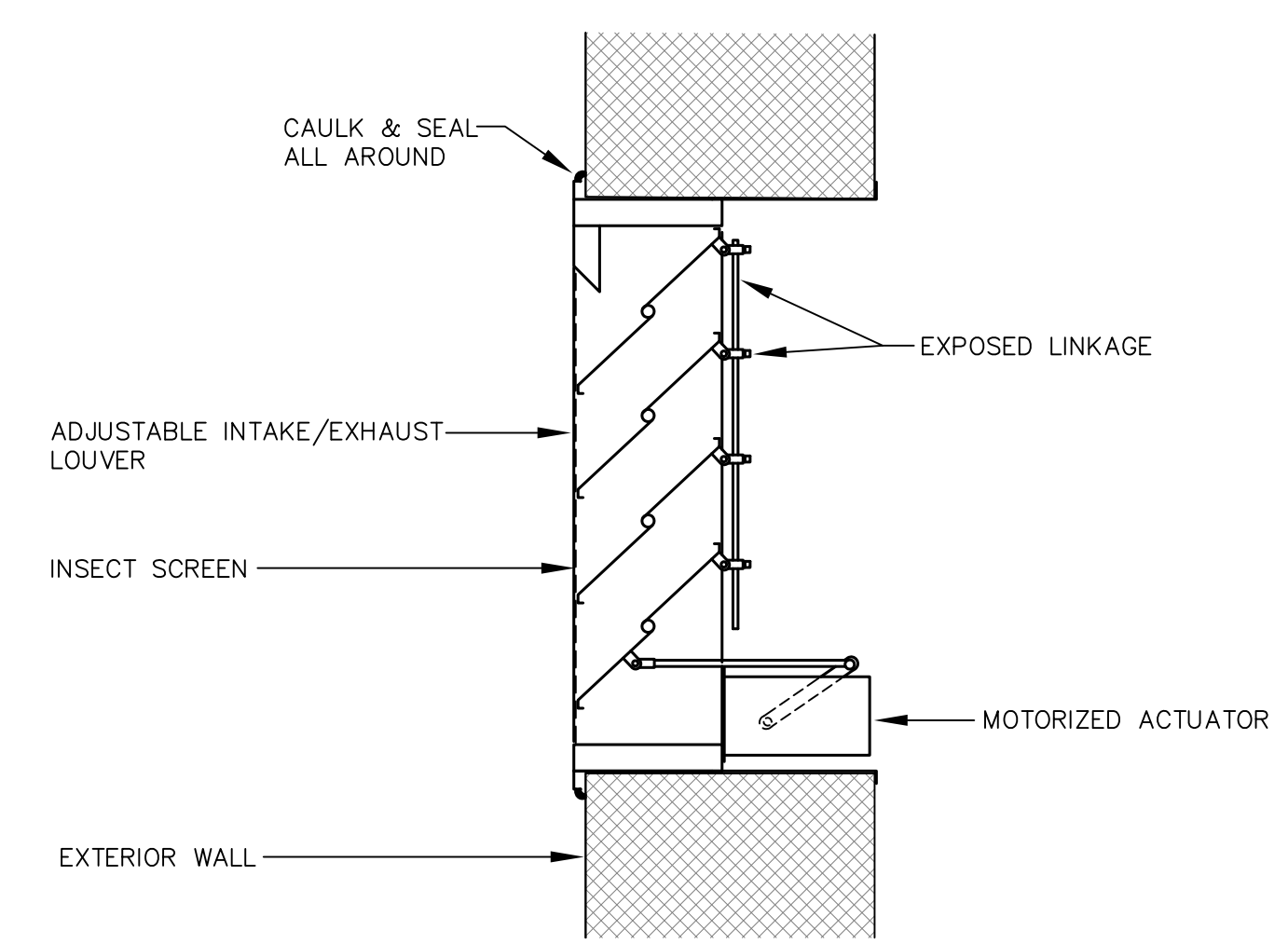
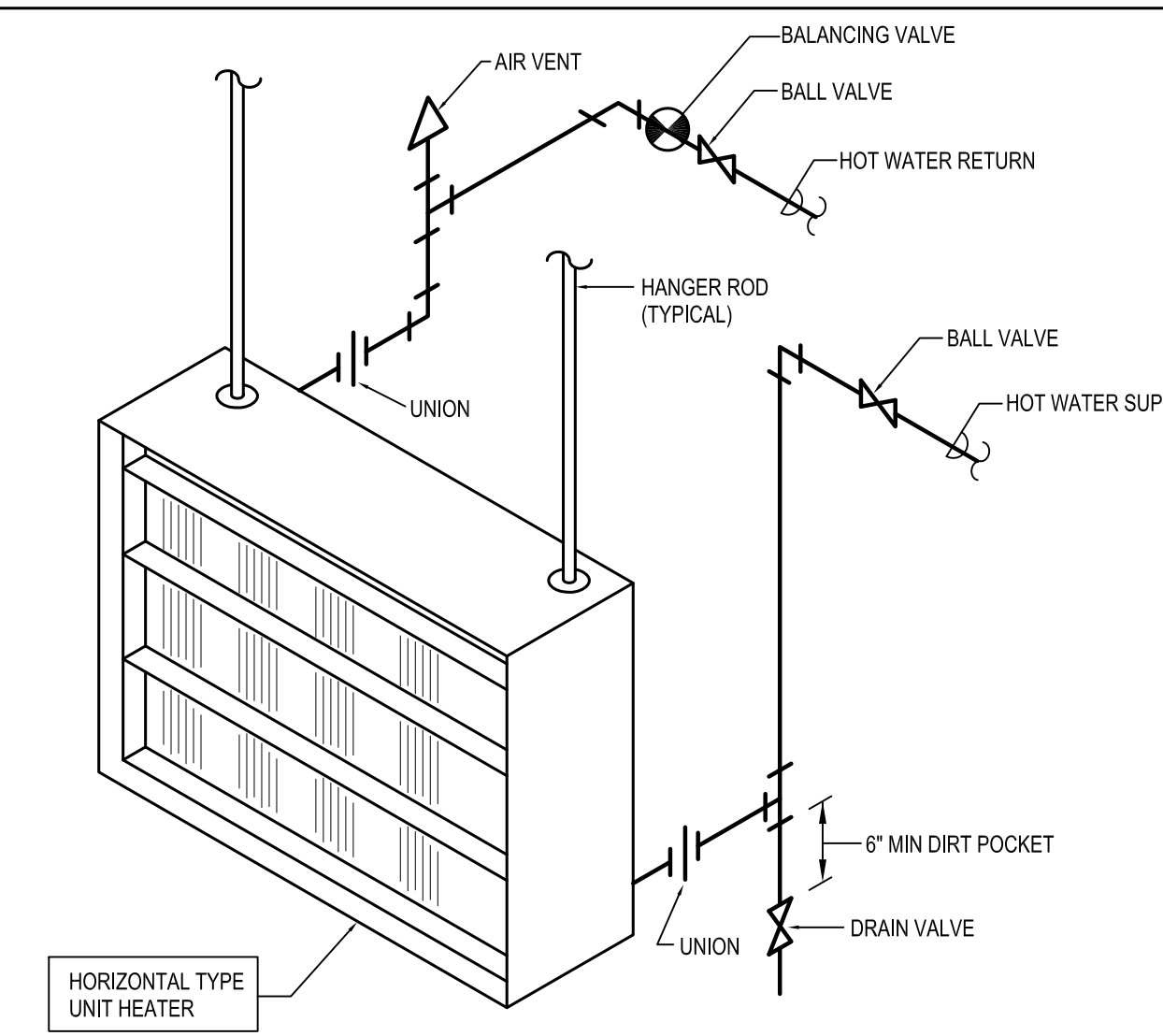
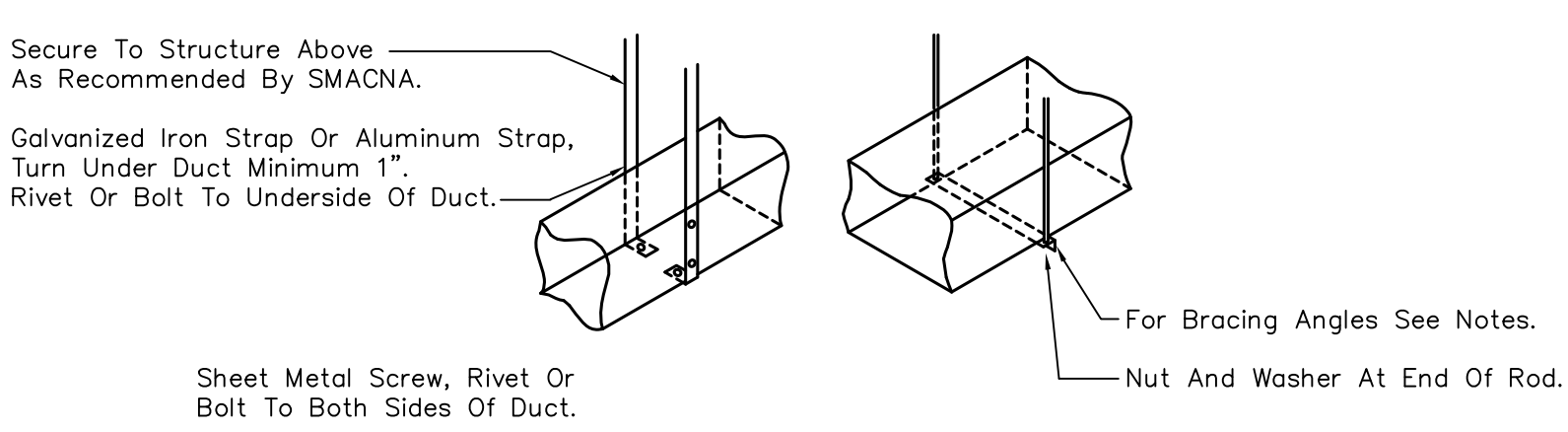
RECTANGULAR DUCTS		
MAXIMUM SIZE (INCHES)	STEEL (MINIMUM THICKNESS, NOMINAL)	ALUMINUM (MINIMUM THICKNESS, NOMINAL)
THROUGH 12	0.022 INCH (26 GAGE, GALV.)	0.020 INCH (NO. 24 B&S GAGE)
13 THROUGH 30	0.028 INCH (24 GAGE, GALV.)	0.025 INCH (NO. 22 B&S GAGE)
31 THROUGH 54	0.034 INCH (22 GAGE, GALV.)	0.032 INCH (NO. 20 B&S GAGE)
55 THROUGH 84	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (NO. 18 B&S GAGE)
OVER 84	0.052 INCH (18 GAGE, GALV.)	0.051 INCH (NO. 16 B&S GAGE)

ROUND DUCTS			
MAXIMUM SIZE (INCHES)	SPIRAL SEAM DUCT	LONGITUDINAL SEAM DUCT	FITTINGS
	STEEL (MINIMUM THICKNESS, NOMINAL)	STEEL (MINIMUM THICKNESS, NOMINAL)	STEEL (MINIMUM THICKNESS, NOMINAL)
THROUGH 12	0.019 INCH (28 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)
13 THROUGH 18	0.022 INCH (26 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)
19 THROUGH 28	0.028 INCH (24 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)
29 THROUGH 36	0.034 INCH (22 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)
37 THROUGH 52	0.040 INCH (20 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)



RECTANGULAR DUCT HANGER SCHEDULE (MINIMUM SIZES)

HALF DUCT PERIMETER RANGE	PAIR AT 10' SPACING		PAIR AT 8' SPACING		PAIR AT 5' SPACING		PAIR AT 4' SPACING	
	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD
P/2 < 30"	1"x 22 GA.	10 GA. (0.135")	1"x 22 GA.	10 GA. (0.135")	1"x 22 GA.	12 GA. (0.106")	1"x 22 GA.	12 GA. (0.106")
P/2 < 72"	1"x 18 GA.	3/8"	1"x 20 GA.	1/4"	1"x 22 GA.	1/4"	1"x 22 GA.	1/4"
P/2 < 96"	1"x 16 GA.	3/8"	1"x 18 GA.	3/8"	1"x 20 GA.	3/8"	1"x 22 GA.	1/4"
P/2 < 120"	1-1/2"x 16 GA.	1/2"	1"x 16 GA.	3/8"	1"x 18 GA.	3/8"	1"x 20 GA.	1/4"
P/2 < 168"	1-1/2"x 16 GA.	1/2"	1"x 16 GA.	1/2"	1"x 16 GA.	3/8"	1"x 18 GA.	3/8"
P/2 < 192"	-	1/2"	1-1/2"x 16 GA.	1/2"	1"x 16 GA.	3/8"	1"x 16 GA.	3/8"



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REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

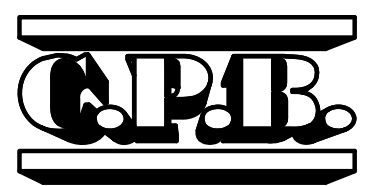
PROJECT:
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ISSUED:
DESIGN DEVELOPMENT

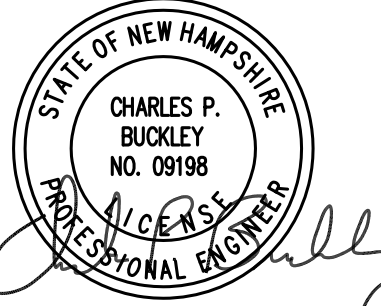
DRAWING TITLE:
HVAC DETAILS

PROJECT NO: 22-950 DATE: MAY 31, 2023
SHEET NUMBER:

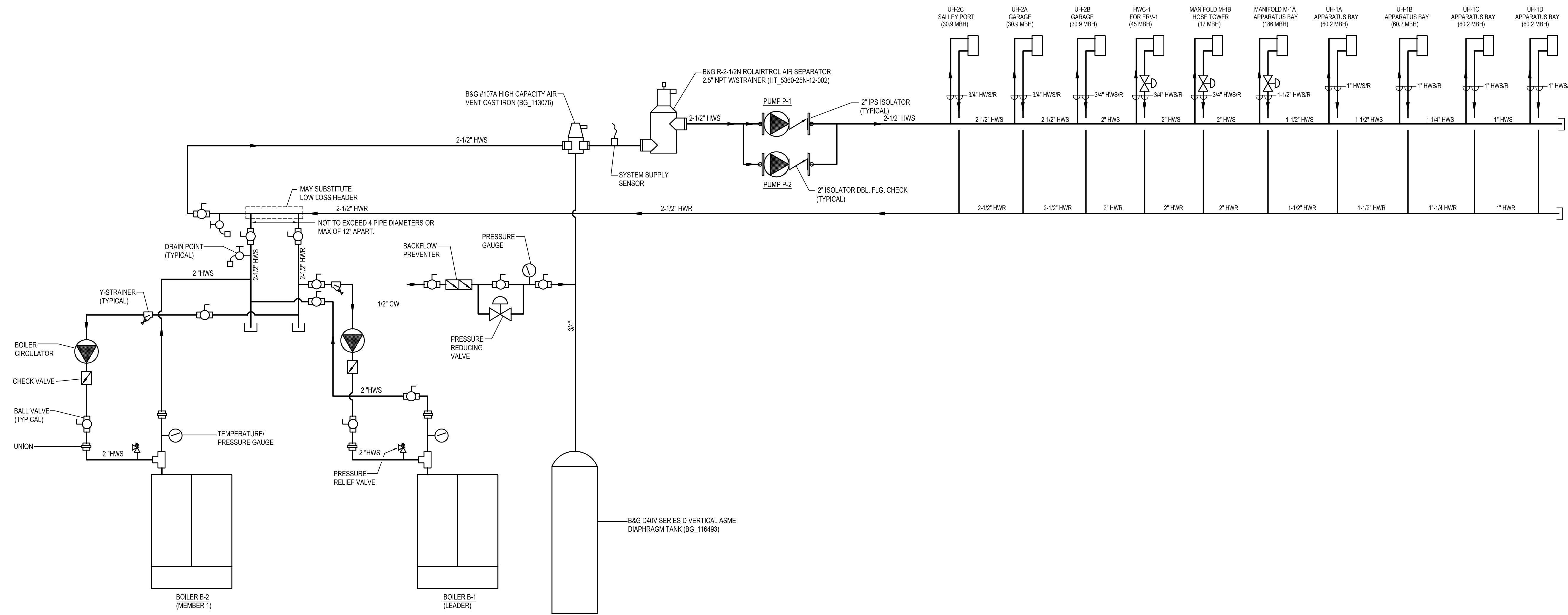
M106



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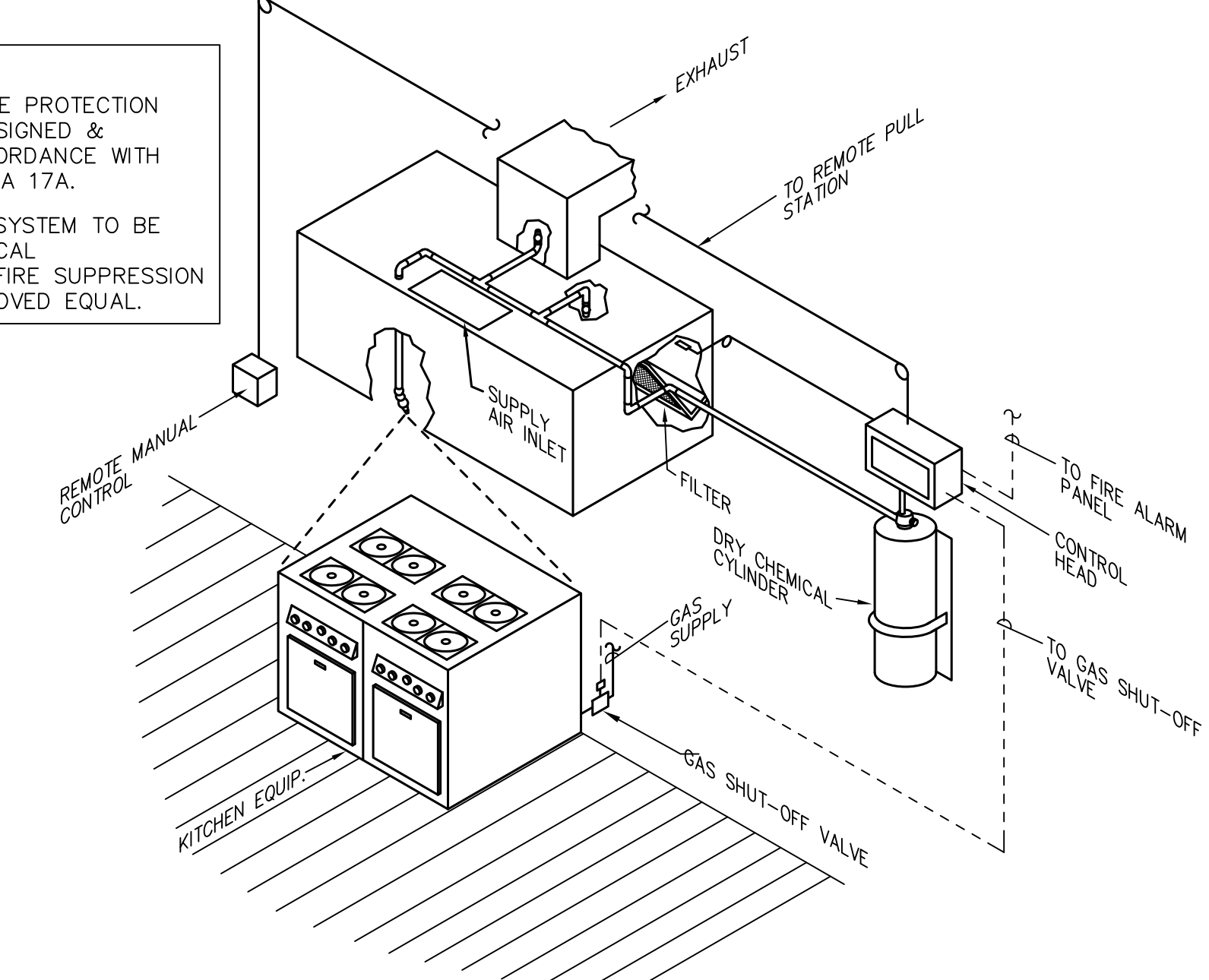


N.H. LIC. NO. 09198



BOILER PIPING SCHEMATIC
NOT TO SCALE

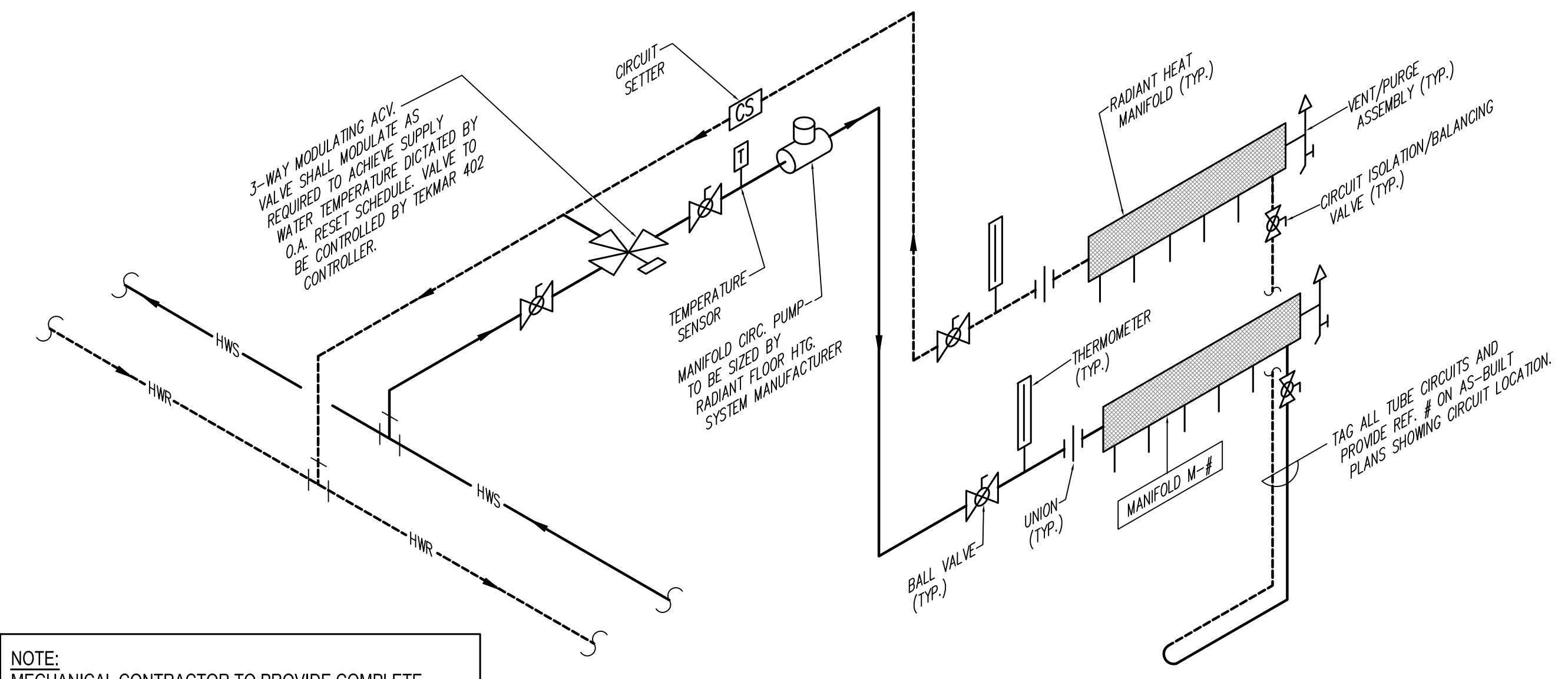
- NOTES:**
- KITCHEN HOOD FIRE PROTECTION SYSTEM TO BE DESIGNED & INSTALLED IN ACCORDANCE WITH NFPA 96 AND NFPA 17A.
 - FIRE PROTECTION SYSTEM TO BE ANSUL DRY CHEMICAL PRE-ENGINEERED FIRE SUPPRESSION SYSTEM, OR APPROVED EQUAL.



FIRE PROTECTION SYSTEM FOR KITCHEN EXHAUST HOOD
N.T.S.

GREASE DUCT CONSTRUCTION NOTES

- GREASE DUCT MATERIALS**
GREASE DUCTS SHALL BE CONSTRUCTED OF STEEL NOT LESS THAN 0.055 INCH (NO. 16 GAUGE) IN THICKNESS OR STAINLESS STEEL NOT LESS THAN 0.044 INCH (NO. 18 GAUGE) IN THICKNESS.
- JOINTS AND SEAMS OF GREASE DUCTS**
JOINTS, SEAMS AND PENETRATIONS OF GREASE DUCTS SHALL BE MADE WITH A CONTINUOUS LIQUID-TIGHT WELD ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM.
- GREASE DUCT INSULATION/WRAP**
WRAP ALL GREASE DUCTS WITH JOHN'S MANVILLE FIRETEMP WRAP PRODUCT NUMBER SL-1.5, OR EQUAL, TO REDUCE CLEARANCE TO COMBUSTIBLE MATERIALS TO 0".
- CODE REFERENCE**
INSTALL ALL GREASE DUCT SYSTEMS IN STRICT ACCORDANCE WITH SECTION 506 OF THE INTERNATIONAL MECHANICAL CODE 2018.



TYPICAL RADIANT HEAT PIPING DIAGRAM
NOT TO SCALE

- NOTE:**
MECHANICAL CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWING SUBMITTAL FOR RADIANT FLOOR HEATING SYSTEMS SHALL INCLUDE:
- PEX LAYOUT IN SLAB
 - PUMP SIZING
 - MANIFLD DETAILS
 - SPECIFICATIONS FOR ALL EQUIPMENT
 - SIZING CALCULATIONS

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

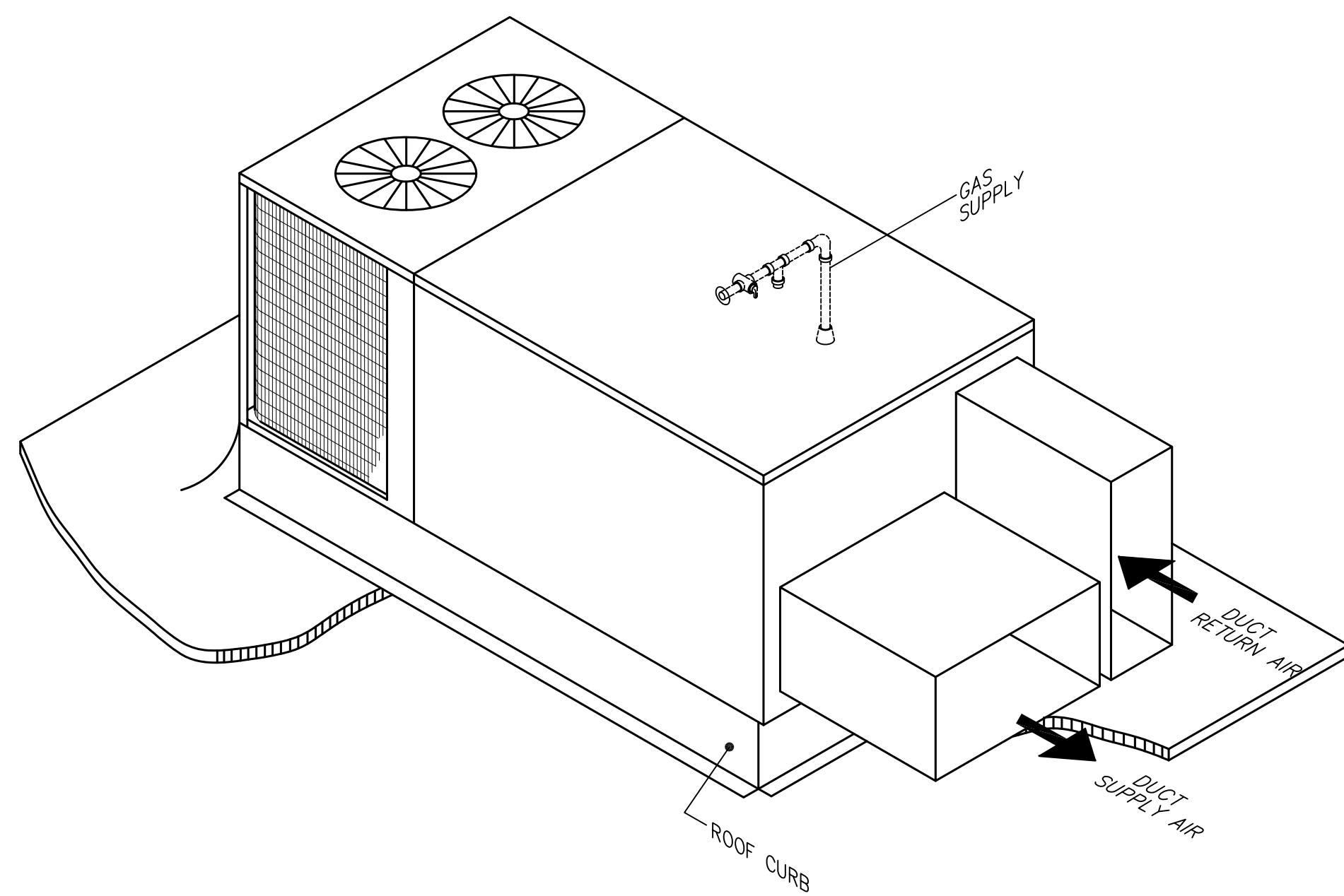
PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

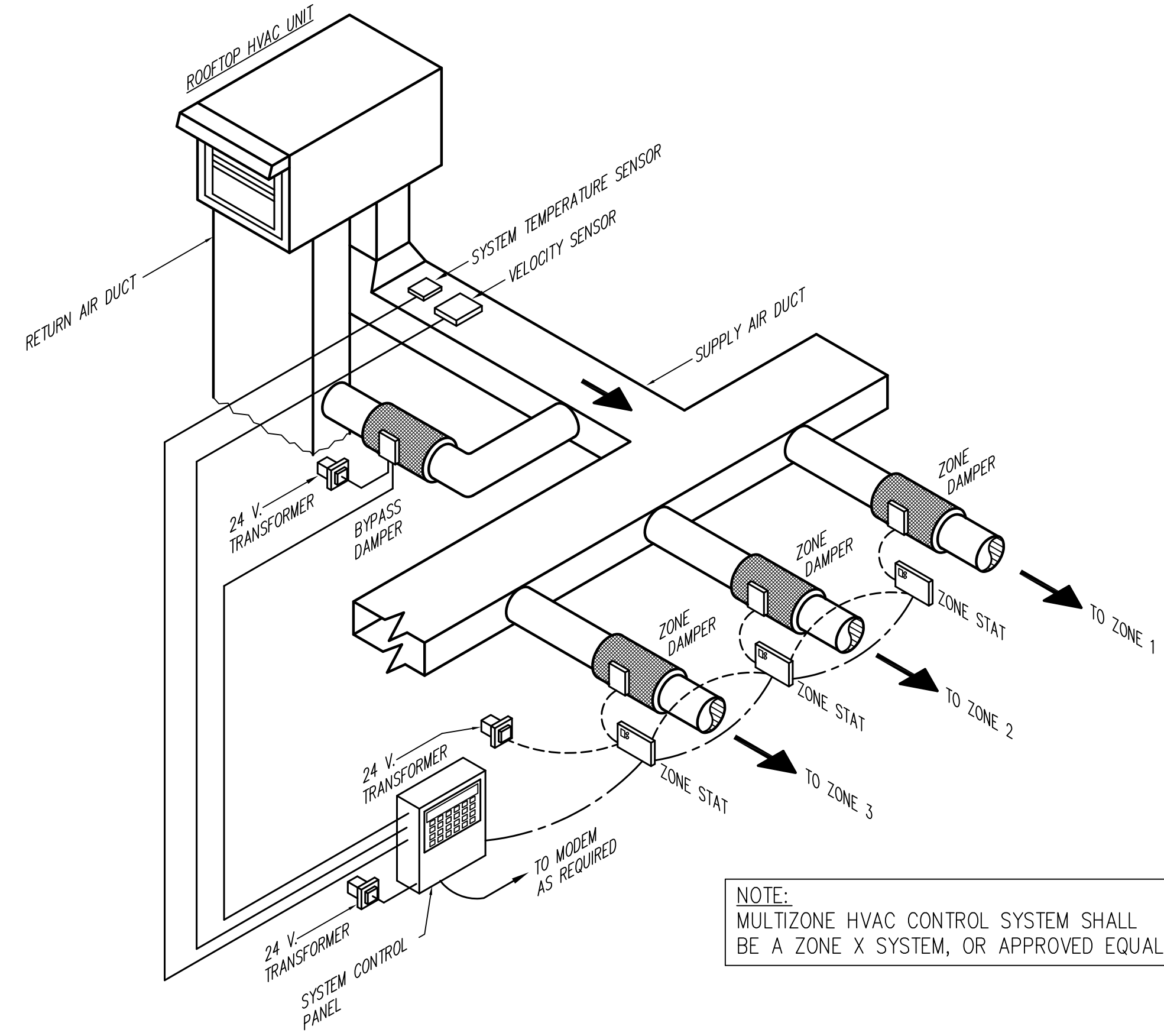
DRAWING TITLE:
HVAC DETAILS

PROJECT NO: 22-950 DATE: MAY 31, 2023
SHEET NUMBER:

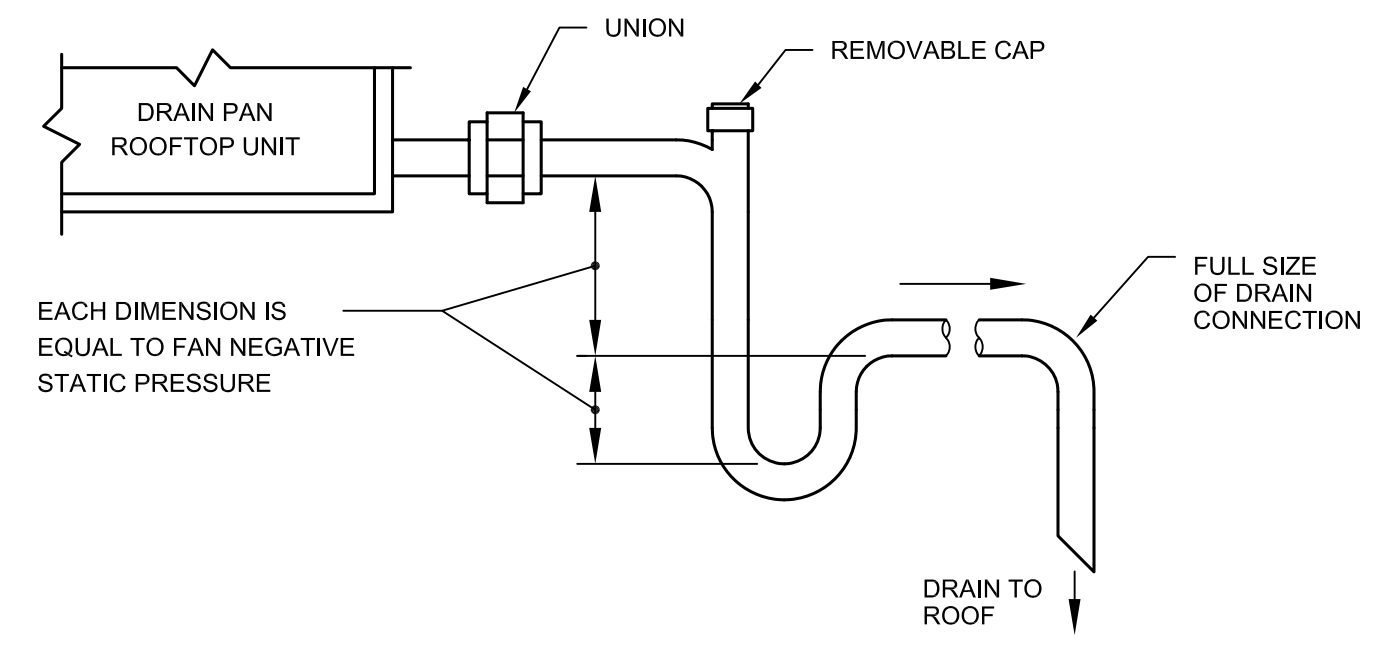
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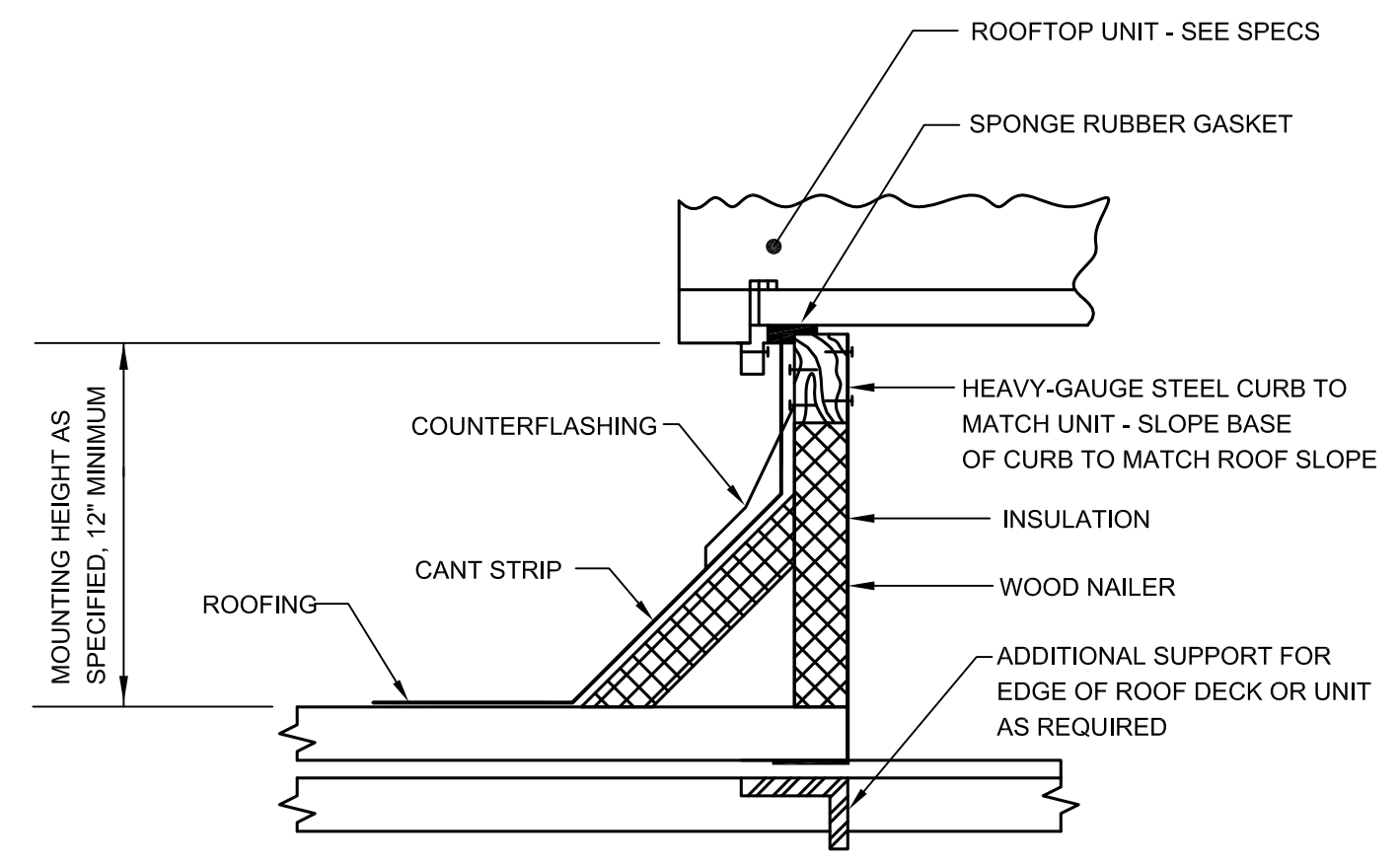
**ROOFTOP PACKAGED HVAC UNIT DETAIL
WITH HORIZONTAL SUPPLY AND RETURN DUCTS**
NOT TO SCALE



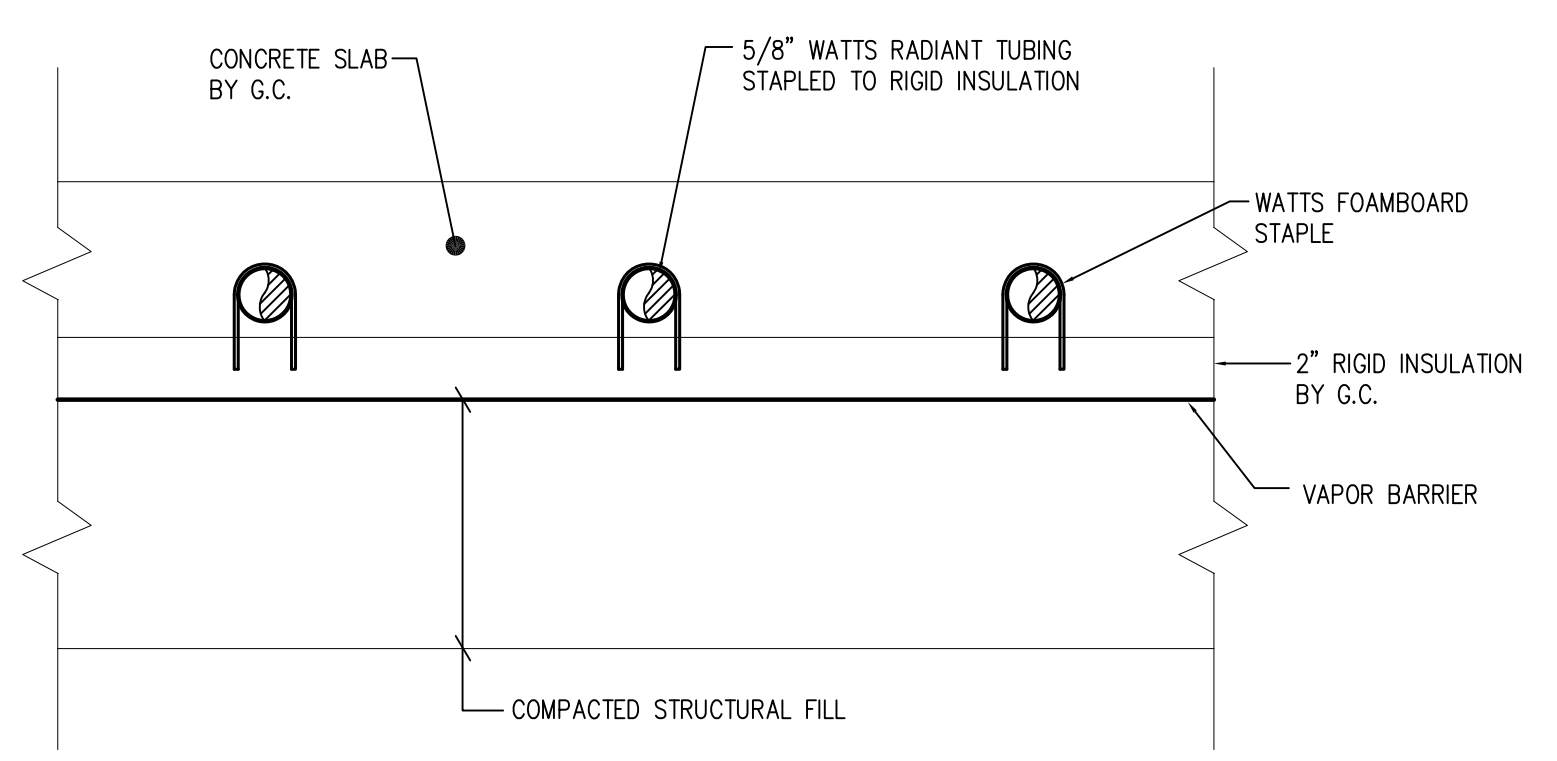
**TYPICAL CONTROL DIAGRAM FOR MULTIZONE HVAC
CONTROL SYSTEM - ROOFTOP HVAC UNIT**
NOT TO SCALE



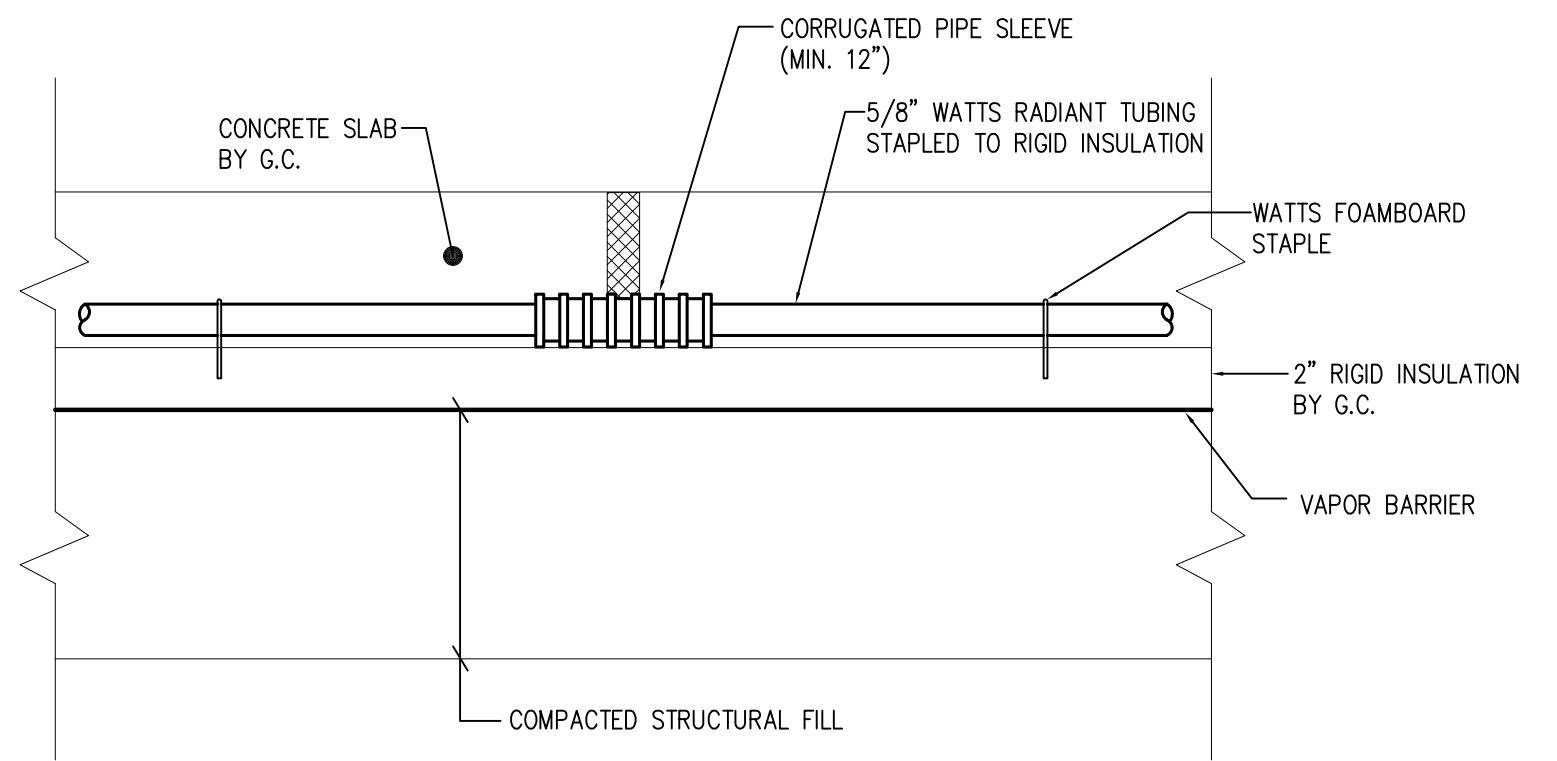
CONDENSATE DRAIN DETAIL
N.T.S.



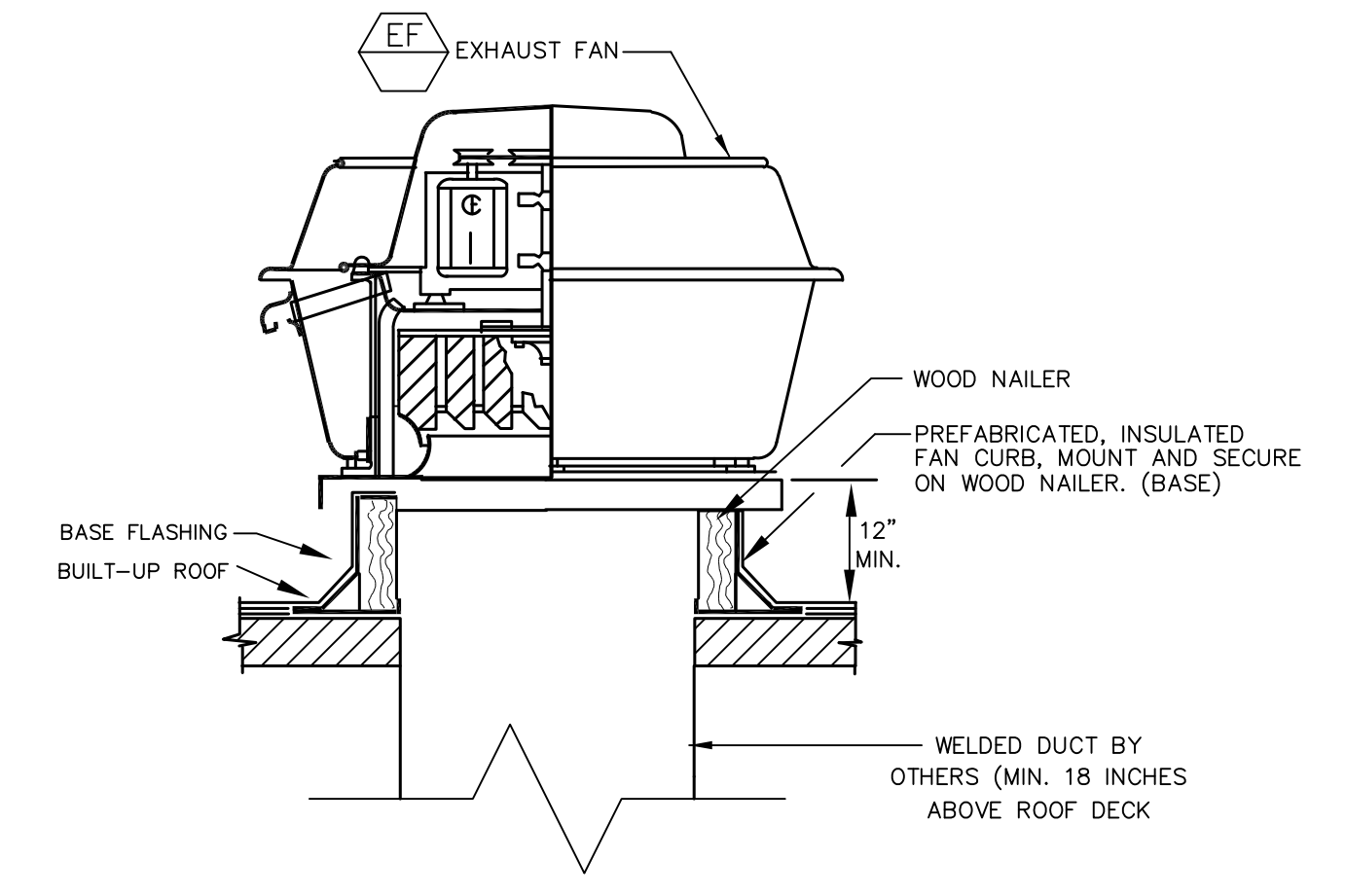
ROOFTOP EQUIPMENT CURB DETAIL
N.T.S.



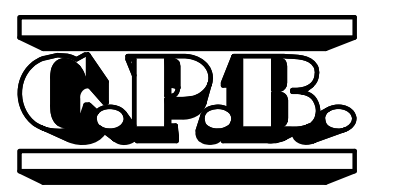
**RADIANT TUBING INSTALLATION DETAIL -
CONCRETE SLAB ON GRADE**
NOT TO SCALE



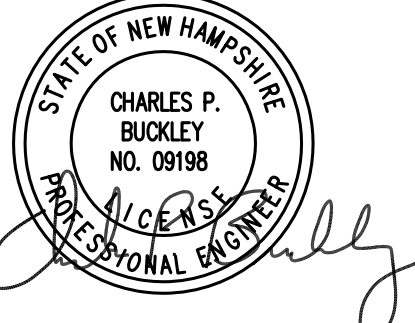
**RADIANT TUBING INSTALLATION DETAIL -
CONCRETE SLAB ON GRADE**
NOT TO SCALE



ROOF MTD. KITCHEN EXHAUST FAN DETAIL
NOT TO SCALE



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N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY
BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
HVAC DETAILS

PROJECT NO: 22-950 DATE: MAY 31, 2023
SHEET NUMBER:

M108

PLUMBING NOTES

1. **SCOPE OF WORK**
 - A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
 - B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE.
 - C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
 - D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.
2. **PERMITS**
 - A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.
3. **SHOP DRAWINGS**
 - A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT/FIXTURES TO THE ARCHITECT OR ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT SIX SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
4. **DOMESTIC WATER SUPPLY PIPING**
 - A. UNDERGROUND:
 - WATER SERVICE ENTRANCE: DUCTILE IRON PIPE AND FITTINGS.
 - FEED TO TANKER TRUCK FILLS: POLYETHYLENE.
 - B. ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER OR PRO-PRESS FITTINGS. COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE.
 - C. ALL COLD & HOT WATER PIPING TO BE INSULATED WITH 1" SNAP-ON FIBERGLASS INSULATION & PVC JACKET.
 - D. VALVE AND TAG ALL SHUT-OFF VALVES.
 - E. PROVIDE SHUT-OFF VALVES ON ALL MAJOR DOM. WATER BRANCH PIPING.
5. **SANITARY/STORM DRAINAGE AND VENT PIPING**
 - A. ABOVE GRADE:
 - 2" AND BELOW: SCH. 40 PVC WITH SOLVENT JOINTS.
 - 3" AND ABOVE: SCH. 40 PVC WITH SOLVENT JOINTS.
 - B. BELOW GRADE: SCH. 40 PVC WITH SOLVENT JOINTS.
 - C. PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
 - D. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.
 - E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.
 - F. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.
 - G. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.
6. ALL STUB-INS AND/OR SLAB OR WALL PENETRATION TO BE PER INTERNATIONAL PLUMBING CODE. ALL PIPING PENETRATIONS OF BUILDING FOUNDATIONS OR FOOTINGS SHALL BE SLEEVED.
7. **PIPE SUPPORTS**
 - A. ABOVE GRADE
 - ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PERFORMED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN THE INTERNATIONAL PLUMBING CODE.
7. **BELOW GRADE**
 - A. EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH.
 - INTERIOR: THE PIPE SHALL BE INSTALLED (UNLESS OTHERWISE SPECIFIED) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.
 - EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 60" OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 42" OF COVER.
8. **MISCELLANEOUS**
 - A. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
 - B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
 - C. THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMATIC AND ARE BASED ON ONE MANUFACTURE'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
9. **TESTING AND DISINFECTION**
 - A. PLUMBING SYSTEMS SHALL BE FLOW AND PRESSURE TESTED & DISINFECTED IN ACCORDANCE WITH STANDARD PRACTICE AND THE INTERNATIONAL PLUMBING CODE.
10. **GUARANTEE**
 - A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
 - B. FOR THE SAME PERIOD, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SOIL OR WASTE PIPE (BELOW GROUND)		NEW TO EXISTING
	SOIL OR WASTE PIPE (ABOVE GROUND)		BALL VALVE
	VENT PIPE (V)		CHECK VALVE
	COLD WATER PIPE (CW)		FIXTURE ISOLATION VALVE
	HOT WATER PIPE (HW)		VENT THROUGH ROOF
	HOT WATER PIPE (140°F)		PROPANE GAS PIPING
	HOT WATER RETURN (HWR)		COMPRESSED AIR PIPING

GENERAL LP PIPING NOTES

1. GAS PIPING HAS BEEN DESIGNED AND SHALL BE INSTALLED IN ACCORDANCE WITH INTERNATIONAL FUEL GAS CODE 2018 AND NFPA 58 - STANDARD FOR THE STORAGE AND HANDLING OF LIQUIFIED PETROLEUM GASES (LATEST EDITION).
2. UNDERGROUND GAS PIPING SHALL PLASTIC PIPING IN ACCORDANCE WITH ASTM STANDARDS D2513 AND D2517. FITTINGS SHALL PLASTIC AND HAVE SOLVENT CEMENT JOINTS (I.F.G.C. CHAPTER 4). PLASTIC PIPE AND TUBING SHALL NOT BE INSTALLED ABOVE GROUND OR INSIDE OF THE STRUCTURE.
3. GAS PIPING INSTALLED ON THE EXTERIOR OF THE BUILDING AND ABOVE GRADE SHALL BE SCHEDULE 40 BLACK STEEL PIPE (ASTM A53, A106) AND HAVE THREADED JOINTS (ASME B1.20.1). THE BLACK STEEL PIPE SHALL BE COVERED WITH 2 COATS OF A WATERPROOF ASPHALTIC COATING (OR EQUAL) TO PREVENT CORROSION OF THE PIPE.
4. GAS PIPING INSTALLED ON THE INTERIOR OF THE BUILDING SHALL BE SCHEDULE 40 BLACK STEEL PIPE (ASTM A53, A106) AND HAVE THREADED JOINTS (ASME B1.20.1).
5. JOINTS BETWEEN DIFFERENT PIPING MATERIALS SHALL BE MADE WITH APPROVED ADAPTER FITTINGS.
6. UNDERGROUND GAS PIPING SHALL BE INSTALLED TO ALLOW PROPER MAINTENANCE AND TO PROTECT AGAINST CONTACT OR DAMAGE RESULTING FROM PROXIMITY TO OTHER STRUCTURES. UNDERGROUND PLASTIC PIPING SHALL BE INSTALLED WITH SUFFICIENT CLEARANCE FROM ANY HEAT SOURCE.
7. UNDERGROUND PIPING SYSTEMS SHALL BE INSTALLED A MINIMUM DEPTH OF 18 INCHES BELOW GRADE.
8. AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC (PLASTIC) PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE NONMETALLIC GAS PIPING. THE TRACER WIRE SHALL NOT BE LESS THAN 18 AWG AND THE INSULATION TYPE SHALL NOT BE LESS THAN 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR BURIAL.
9. ALL PENETRATIONS OF GAS PIPING THROUGH SLABS AND FOUNDATION WALLS SHALL BE SLEEVED WITH A PIPE SLEEVE.
10. PROPANE GAS SUPPLIER SHALL PROVIDE ALL NECESSARY REGULATORS, PRESSURE GAUGES, VALVES AND LEVEL GAUGES AT PROPANE TANKS.
11. GAS SUPPLY PRESSURE = 11 INCHES WATER GAUGE.
12. GAS PIPE SIZING IS BASED ON TABLE 402.4(24) IN THE INTERNATIONAL FUEL GAS CODE. A MAXIMUM PIPE LENGTH OF 200 FT. HAS BEEN USED FOR THIS DESIGN.

PLUMBING FIXTURE SCHEDULE

FIXTURE NO.	DESCRIPTION	MANUFACTURER & CAT. NO.	PIPING CONNECTIONS					REMARKS
			TRAP	S/W	VENT	C.W.	H.W.	
TD-1	TRENCH DRAIN	ACO POWER DRAIN MODEL S200K (8" WIDTH)	---	4"	2"	---	---	<ul style="list-style-type: none"> • WITH GRATE • OR EQUAL BY WATTS
WC-1	ELONGATED TOILET	AMERICAN STANDARD MODEL 3451.160	INTEGRAL	4"	2"	---	---	<ul style="list-style-type: none"> • FLUSH VALVE 6065.161002 • OPEN FRONT SEAT 5901.100
WC-2	ELONGATED TOILET (BARRIER FREE)	AMERICAN STANDARD MODEL 3043.102	INTEGRAL	4"	2"	---	---	<ul style="list-style-type: none"> • FLUSH VALVE 6065.161002 • OPEN FRONT SEAT 5901.100
URN-1	AMERICAN STANDARD WASHBROOK UNIVERSAL URINAL	AMERICAN STANDARD MODEL 6590.001EC	2"	2"	1 1/2"	3/4"	---	<ul style="list-style-type: none"> • FLUSH VALVE: AMER. STD. MODEL 6045.051.002
LAV-1	AMERICAN STANDARD DROP-IN COUNTERTOP LAV	AMERICAN STANDARD MODEL 0476.028	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> • FAUCET: DELTA MODEL 515L-F-HDF • ADA INSULATION; PLUMBEX HANDY-SHIELD, OR EQUAL.
LAV-2	AMERICAN STANDARD LUCERNE WALL-HUNG LAVATORY	AMERICAN STANDARD MODEL 0355.012	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> • FAUCET: DELTA MODEL 515L-F-HDF • ADA INSULATION; PLUMBEX HANDY-SHIELD, OR EQUAL.
SINK-1	ELKAY 19"X19" STAINLESS STEEL SINK	ELKAY MODEL #LR-1919	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> • FAUCET: ELKAY MODEL LK-2423-BH
SINK-2	ELKAY 33"X21"X8" DOUBLE BOWL SINK	ELKAY MODEL CR3321	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> • FAUCET: ELKAY MODEL LK-2423-BH WITH SPRAY
JS-1	FIAT 24"X24" MOP SERVICE BASIN	FIAT MODEL MSB-2424	3"	3"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> • FAUCET: FIAT MODEL #830-AA WALL GUARD AND MOP HANGER
FD-1	FLOOR DRAIN	ZURN EZ-5	2"	2"	1 1/2"	---	---	
FD-2	FLOOR DRAIN	ZURN EZ-5	3"	3"	1 1/2"	---	---	
HB-1	JAY R. SMITH NON-FREEZE WALL HYDRANT LINE-GARD BOX TYPE W/ INTEGRAL VACUUM BREAKER	JAY R. SMITH MODEL 5509	---	---	---	3/4"	---	
SH-1	STERLING FIBERGLASS SHOWER STALL 3'X3'	STERLING	2"	2"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> • DELTA MONITOR 14 SERIES SINGLE FUNCTION PRESSURE BALANCED SHOWER FAUCET WITH SHOWER HEAD, HAND SHOWER, RAIL, HOSE AND ROUGH-IN VALVES MODEL DSS-LAHARA-1401SS
SH-2	STERLING FIBERGLASS SHOWER STALL 3'X3' ADA	STERLING	2"	2"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> • DELTA MONITOR 14 SERIES SINGLE FUNCTION PRESSURE BALANCED SHOWER FAUCET WITH SHOWER HEAD, HAND SHOWER, RAIL, HOSE AND ROUGH-IN VALVES MODEL DSS-LAHARA-1401SS
DF-1	ELKAY WALL MOUNT BI-LEVEL VERSATILE ADA COOLER - FILTERED AND REFRIGERATED	ELKAY MODEL LZSTL68LC	1 1/2"	1 1/2"	1 1/2"	1/2"	---	<ul style="list-style-type: none"> • ELECTRIC: 5 A. AT 120V/1PH.

NOTE: 1. ALL PLUMBING FIXTURES SHALL BE AS SPECIFIED, OR APPROVED EQUAL.

PROPANE FIRED WATER HEATER SCHEDULE

ITEM NO.	CAPACITY	RECOVERY @ 100 DEG. F. RISE	BTU PER HR.	GAS CONN.	WATER CONN.	MANUFACTURER & MODEL	REMARKS
WH-1	60 GAL.	153 GPH	120,000	3/4"	1-1/2"	A.O.SMITH MODEL BTH-120 Mxi	<ul style="list-style-type: none"> • PROVIDE EXPANSION TANK • PROVIDE RECIRC. PUMP • PROVIDE MIXING VALVE • WATER HEATER WATER TEMP. = 140 DEGR. F. • PROVIDE 3" (50 MAX) PVC VENT AND COMB. AIR PIPES TO CONCENTRIC ROOF OR WALL TERMINATION.
WH-2	60 GAL.	153 GPH	120,000	3/4"	1-1/2"	A.O.SMITH MODEL BTH-120 Mxi	<ul style="list-style-type: none"> • PROVIDE EXPANSION TANK • PROVIDE RECIRC. PUMP • PROVIDE MIXING VALVE • WATER HEATER WATER TEMP. = 140 DEGR. F. • PROVIDE 3" (50 MAX) PVC VENT AND COMB. AIR PIPES TO CONCENTRIC ROOF OR WALL TERMINATION.



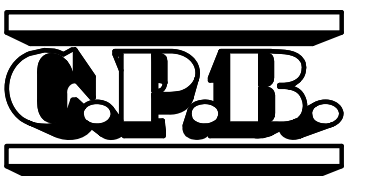
THE CARRIAGE HOUSE
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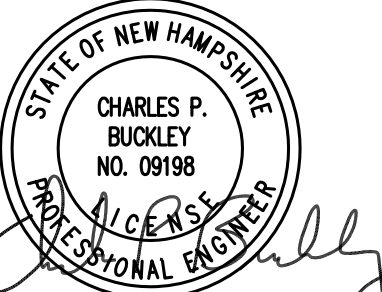
CONSULTANTS / DESIGN TEAM:

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N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

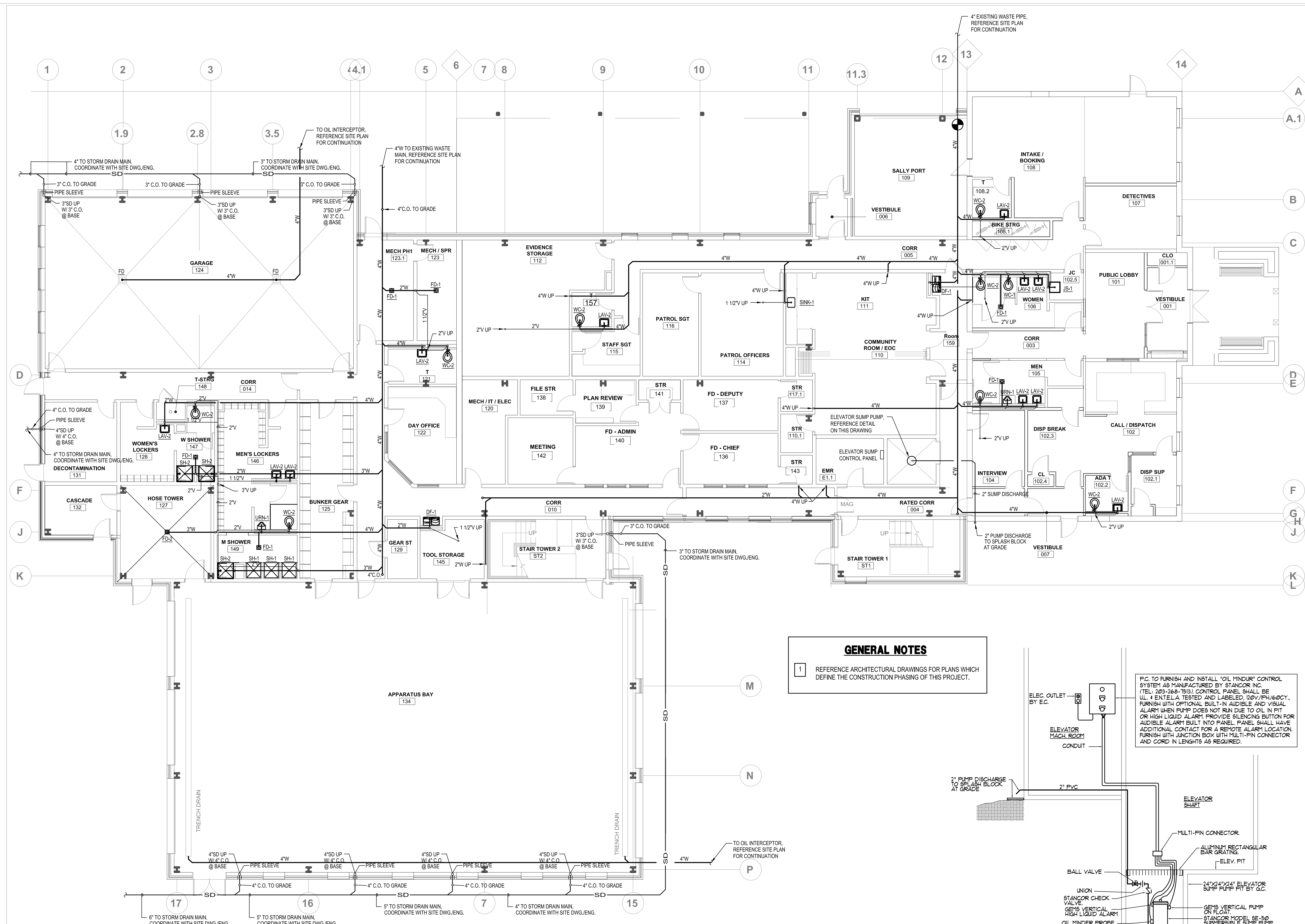
ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
PLUMBING NOTES ,
SYMBOLS AND DETAILS

PROJECT NO: 22-950 DATE: MAY 31, 2023

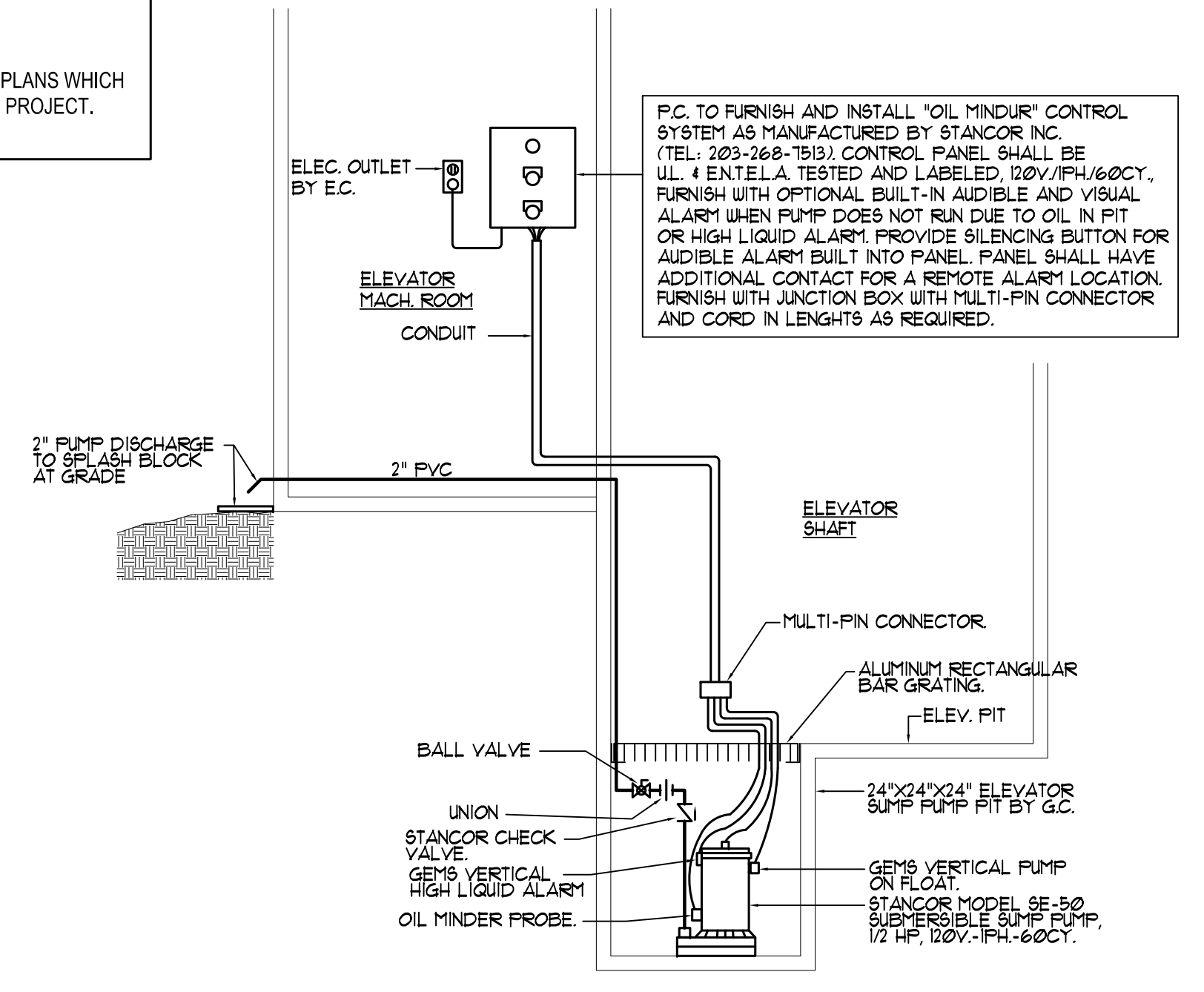
SHEET NUMBER:

P101



GENERAL NOTES

1 REFERENCE ARCHITECTURAL DRAWINGS FOR PLANS WHICH DEFINE THE CONSTRUCTION PHASING OF THIS PROJECT.



LEVEL 1 - WASTE, VENT, STORM DRAIN PIPING

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

banwell ARCHITECTS

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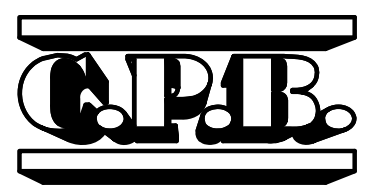
PROJECT:
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SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
LEVEL 1 PLUMBING PLAN - WASTE AND VENT PIPING

PROJECT NO: 22-950 DATE: MAY 31, 2023
SHEET NUMBER:

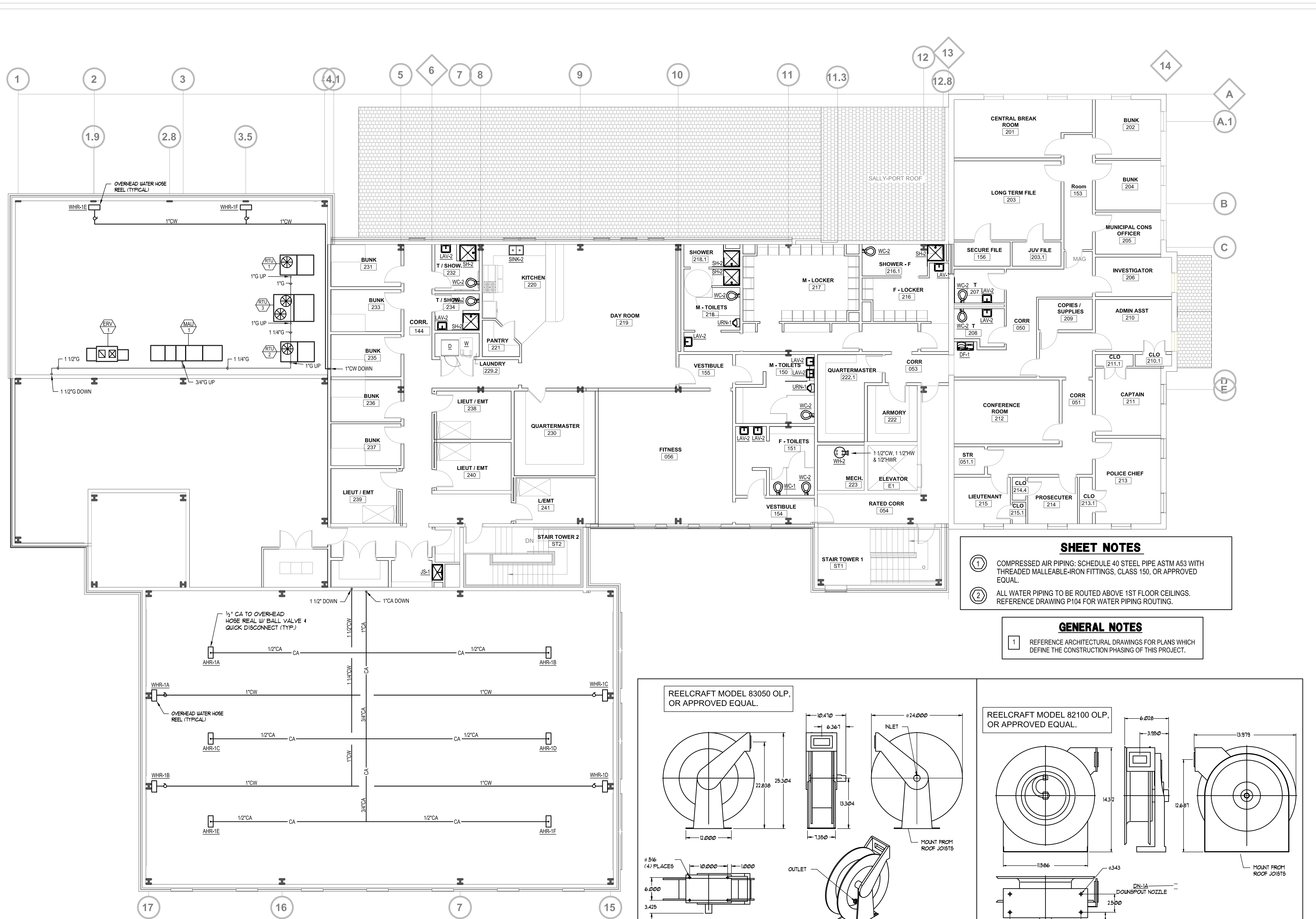
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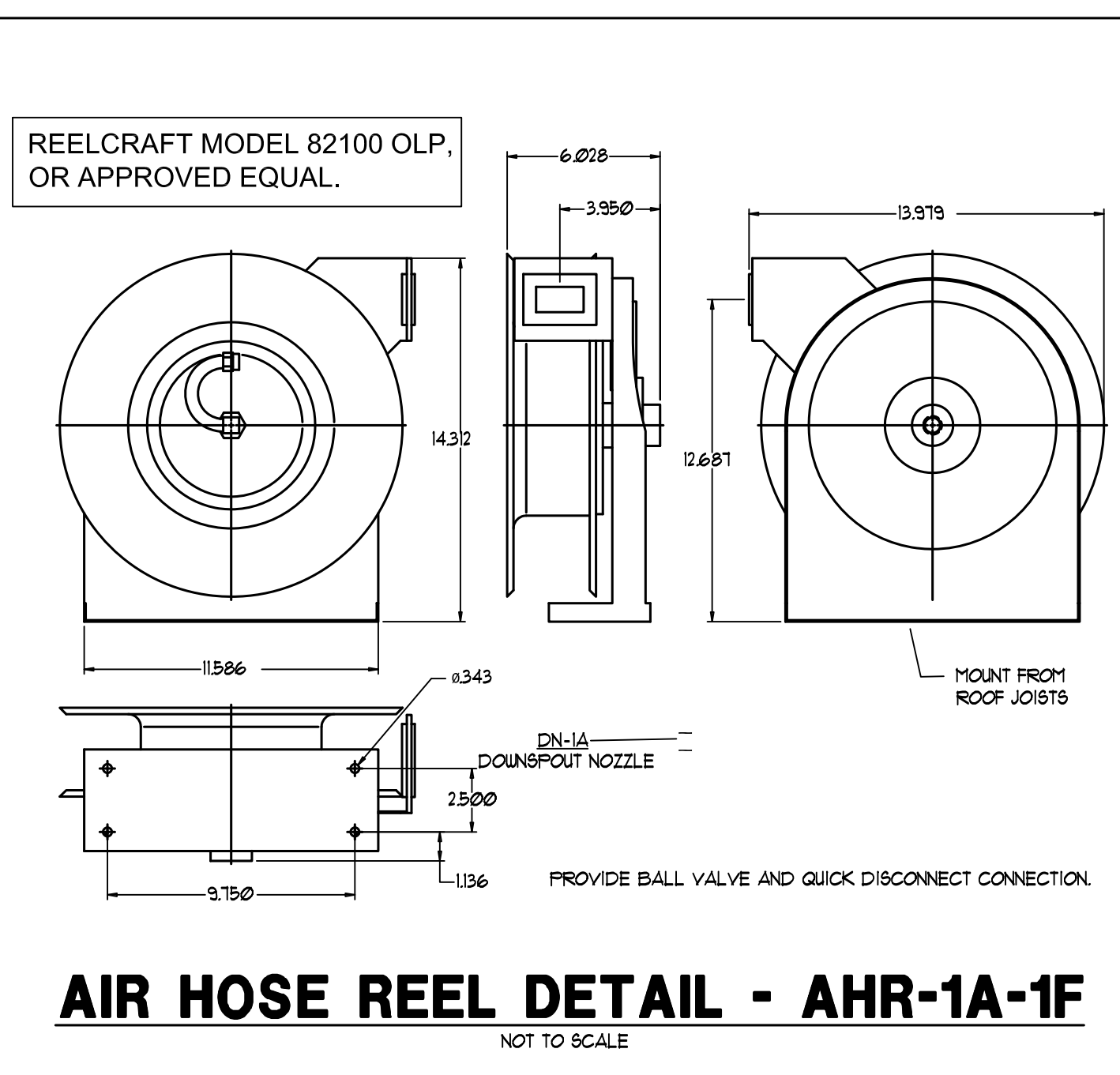
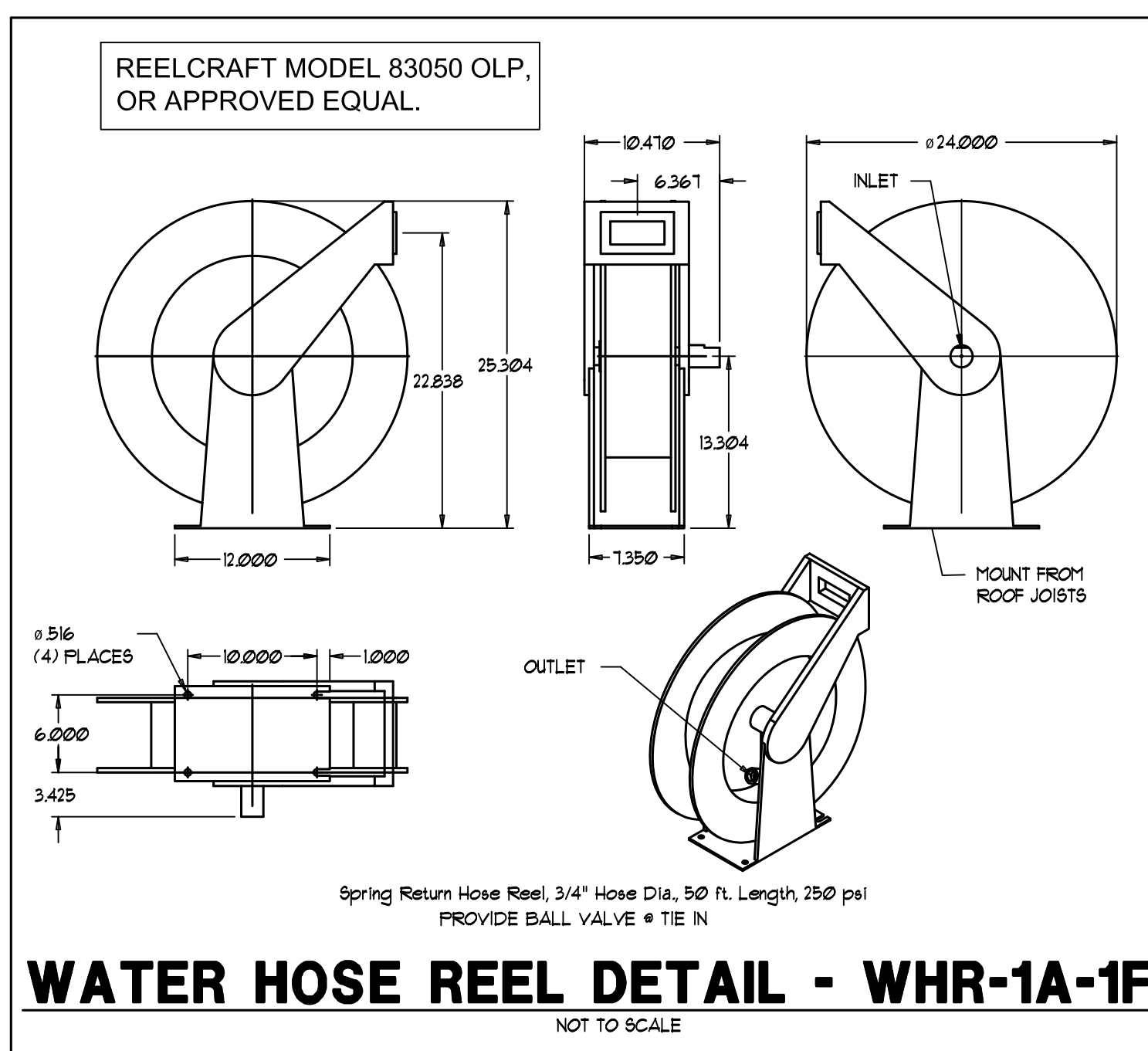
STATE OF NEW HAMPSHIRE
CHARLES P. BUCKLEY
NO. 09198
LICENSED PROFESSIONAL ENGINEER

N.H. LIC. NO. 09198



- SHEET NOTES**
- ① COMPRESSED AIR PIPING: SCHEDULE 40 STEEL PIPE ASTM A53 WITH THREADED MALLEABLE-IRON FITTINGS, CLASS 150, OR APPROVED EQUAL.
 - ② ALL WATER PIPING TO BE ROUTED ABOVE 1ST FLOOR CEILINGS. REFERENCE DRAWING P104 FOR WATER PIPING ROUTING.

- GENERAL NOTES**
- 1 REFERENCE ARCHITECTURAL DRAWINGS FOR PLANS WHICH DEFINE THE CONSTRUCTION PHASING OF THIS PROJECT.



LEVEL 2 PLUMBING PLAN - WATER & GAS PIPING

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

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

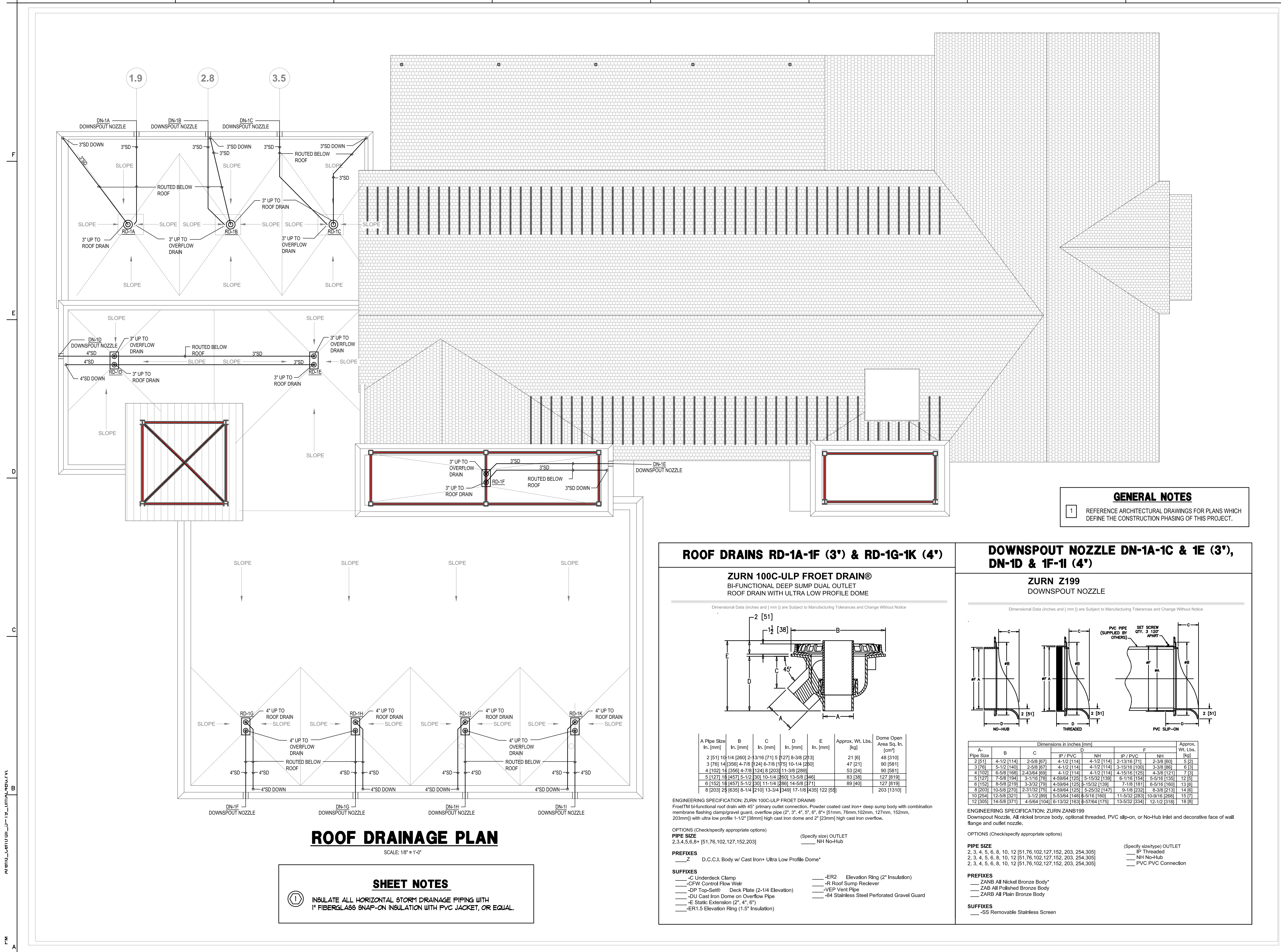
PROJECT:
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WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
LEVEL 2 PLUMBING PLAN - WATER & GAS PIPING

PROJECT NO: 22-950 DATE: MAY 31, 2023

SHEET NUMBER:



ROOF DRAINAGE PLAN

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

SHEET NOTES

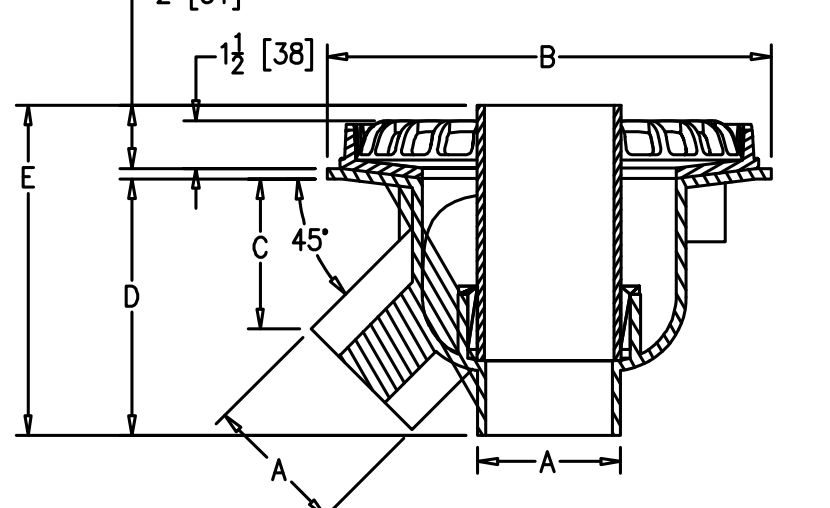
- ① INSULATE ALL HORIZONTAL STORM DRAINAGE PIPING WITH 1" FIBERGLASS SNAP-ON INSULATION WITH PVC JACKET, OR EQUAL.

GENERAL NOTES
 1 REFERENCE ARCHITECTURAL DRAWINGS FOR PLANS WHICH DEFINE THE CONSTRUCTION PHASING OF THIS PROJECT.

ROOF DRAINS RD-1A-1F (3") & RD-1G-1K (4")

ZURN 100C-ULP FROET DRAIN®
 BI-FUNCTIONAL DEEP SUMP DUAL OUTLET
 ROOF DRAIN WITH ULTRA LOW PROFILE DOME

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



A Pipe Size In. [mm]	B In. [mm]	C In. [mm]	D In. [mm]	E In. [mm]	Approx. Wt. Lbs. [kg]	Dome Open Area Sq. In. [cm²]
2 [51]	10-1/4 [260]	2-13/16 [71]	5 [127]	8-3/8 [213]	21 [6]	48 [310]
3 [76]	14 [356]	4-7/8 [124]	6-7/8 [175]	10-1/4 [260]	47 [21]	90 [581]
4 [102]	14 [356]	4-7/8 [124]	8 [203]	11-3/8 [289]	53 [24]	90 [581]
5 [127]	18 [457]	5-1/2 [30]	10-1/4 [260]	13-5/8 [346]	83 [38]	127 [819]
6 [152]	18 [457]	5-1/2 [30]	11-1/4 [286]	14-5/8 [371]	89 [40]	127 [819]
8 [203]	24 [609]	8-1/4 [210]	13-3/4 [349]	17-1/8 [435]	122 [55]	203 [1310]

ENGINEERING SPECIFICATION: ZURN 100C-ULP FROET DRAIN®
 Froet™ bi-functional roof drain with 45° primary outlet connection. Powder coated cast iron deep sump body with combination membrane flashing clamp/gravel guard, overflow pipe (2", 3", 4", 5", 6", 8" / 51mm, 76mm, 102mm, 127mm, 152mm, 203mm) with ultra low profile 1-1/2" [38mm] high cast iron dome and 2" [23mm] high cast iron overflow.

OPTIONS (Check/specify appropriate options)
 PIPE SIZE 2, 3, 4, 5, 6, 8, 10, 12 [51, 76, 102, 127, 152, 203] (Specify size) OUTLET NH No-Hub

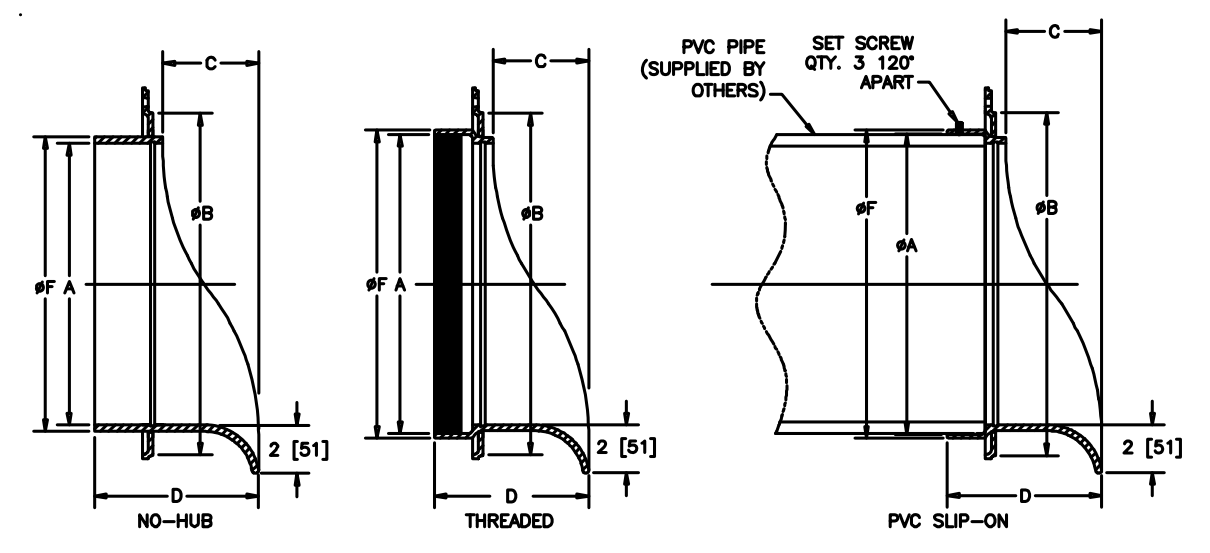
PREFIXES Z D.C.C.I. Body w/ Cast Iron+ Ultra Low Profile Dome* (Specify size/type) OUTLET IP Threaded, NH No-Hub, PVC PVC Connection

SUFFIXES -C Underdeck Clamp, -CFW Control Flow Well, -DP Top-Seal® Deck Plate (2-1/4 Elevation), -DU Cast Iron Dome on Overflow Pipe, -E Static Extension (2", 4", 6"), -ER1.5 Elevation Ring (1.5" Insulation), -ER2 Elevation Ring (2" Insulation), -R Roof Sump Receiver, -VEP Vent Pipe, -S4 Stainless Steel Perforated Gravel Guard

DOWNSPOUT NOZZLE DN-1A-1C & 1E (3"), DN-1D & 1F-1I (4")

ZURN Z199
 DOWNSPOUT NOZZLE

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



Dimensions in inches [mm]						Approx. Wt. Lbs. [kg]
Pipe Size	A	B	C	F	F	
2 [51]	4-1/2 [114]	2-5/8 [67]	4-1/2 [114]	4-1/2 [114]	2-13/16 [71]	2-3/8 [60]
3 [76]	5-1/2 [140]	2-5/8 [67]	4-1/2 [114]	4-1/2 [114]	3-5/16 [100]	3-3/8 [86]
4 [102]	6-5/8 [168]	2-43/64 [69]	4-1/2 [114]	4-1/2 [114]	4-15/16 [125]	4-3/8 [121]
5 [127]	7-5/8 [194]	3-1/16 [76]	4-59/64 [125]	5-15/32 [139]	6-1/16 [154]	5-5/16 [135]
6 [152]	8-5/8 [219]	3-3/32 [79]	4-59/64 [125]	5-15/32 [139]	7-1/8 [181]	6-5/16 [160]
8 [203]	10-5/8 [273]	2-31/32 [75]	4-59/64 [125]	5-25/32 [142]	9-1/8 [232]	8-3/8 [213]
10 [254]	12-5/8 [321]	3-1/2 [89]	5-53/64 [148]	6-5/16 [160]	11-5/32 [283]	10-9/16 [268]
12 [305]	14-5/8 [371]	4-5/64 [104]	6-13/32 [163]	6-57/64 [175]	13-5/32 [334]	12-1/2 [318]

ENGINEERING SPECIFICATION: ZURN ZANB199
 Downspout Nozzle. All nickel bronze body, optional threaded, PVC slip-on, or No-Hub inlet and decorative face of wall flange and outlet nozzle.

OPTIONS (Check/specify appropriate options)
 PIPE SIZE 2, 3, 4, 5, 6, 8, 10, 12 [51, 76, 102, 127, 152, 203, 254, 305] (Specify size/type) OUTLET IP Threaded, NH No-Hub, PVC PVC Connection

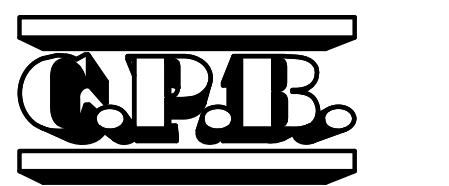
PREFIXES ZANB All Nickel Bronze Body*, ZAB All Polished Bronze Body, ZAB All Plain Bronze Body

SUFFIXES -SS Removable Stainless Screen

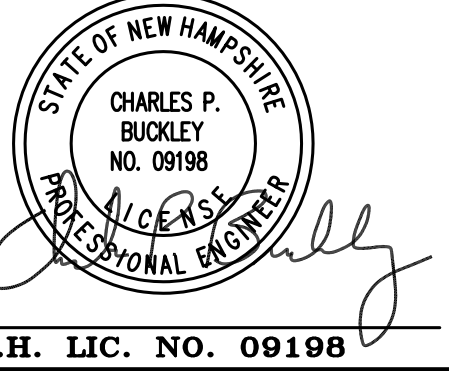
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REVISION	DATE	COMMENTS

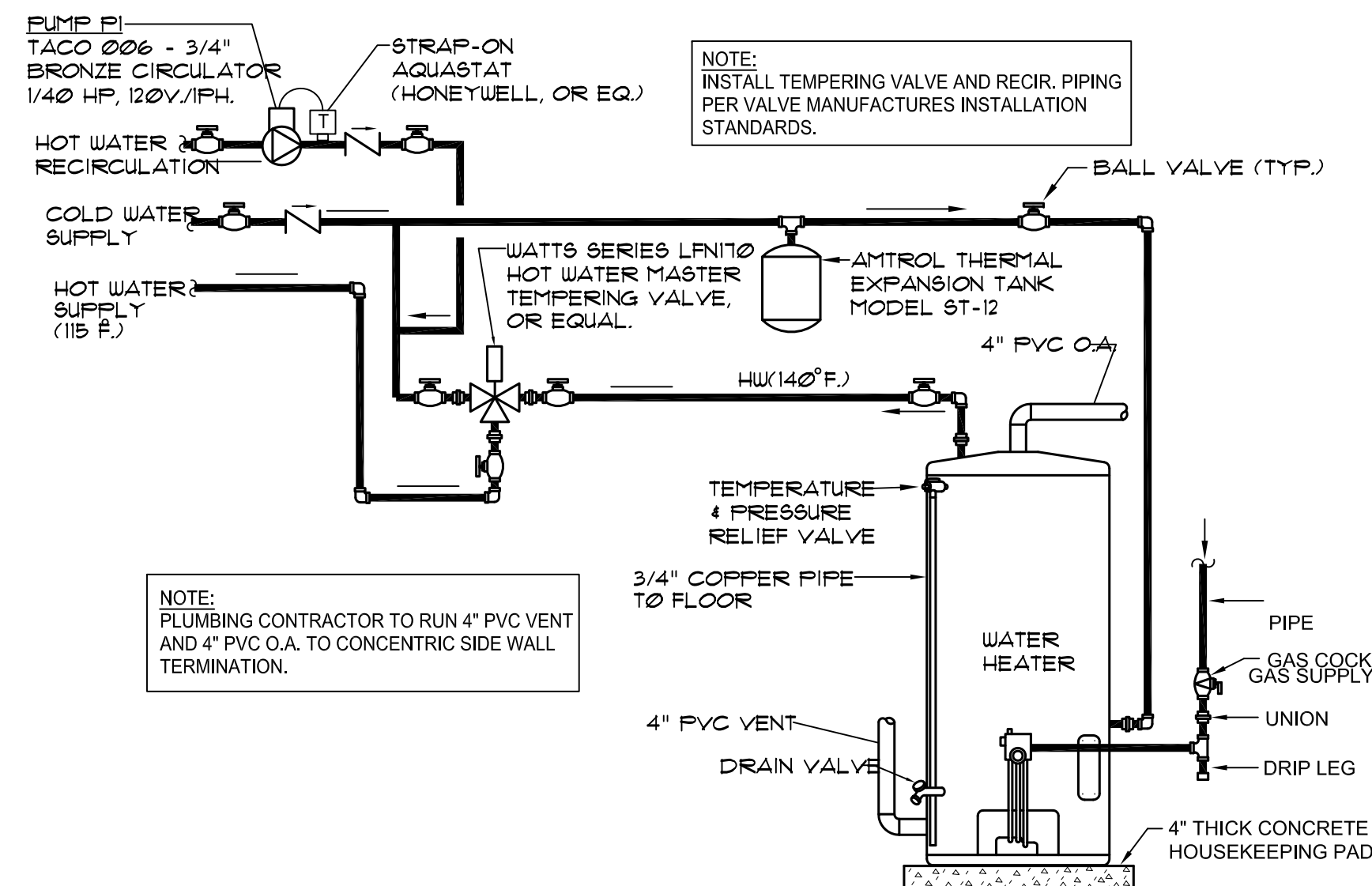
KEY PLAN & NORTH ARROW:

PROJECT:
 WOLFEBORO PUBLIC SAFETY
 BUILDING
 SOUTH MAIN ST.
 WOLFEBORO, NH

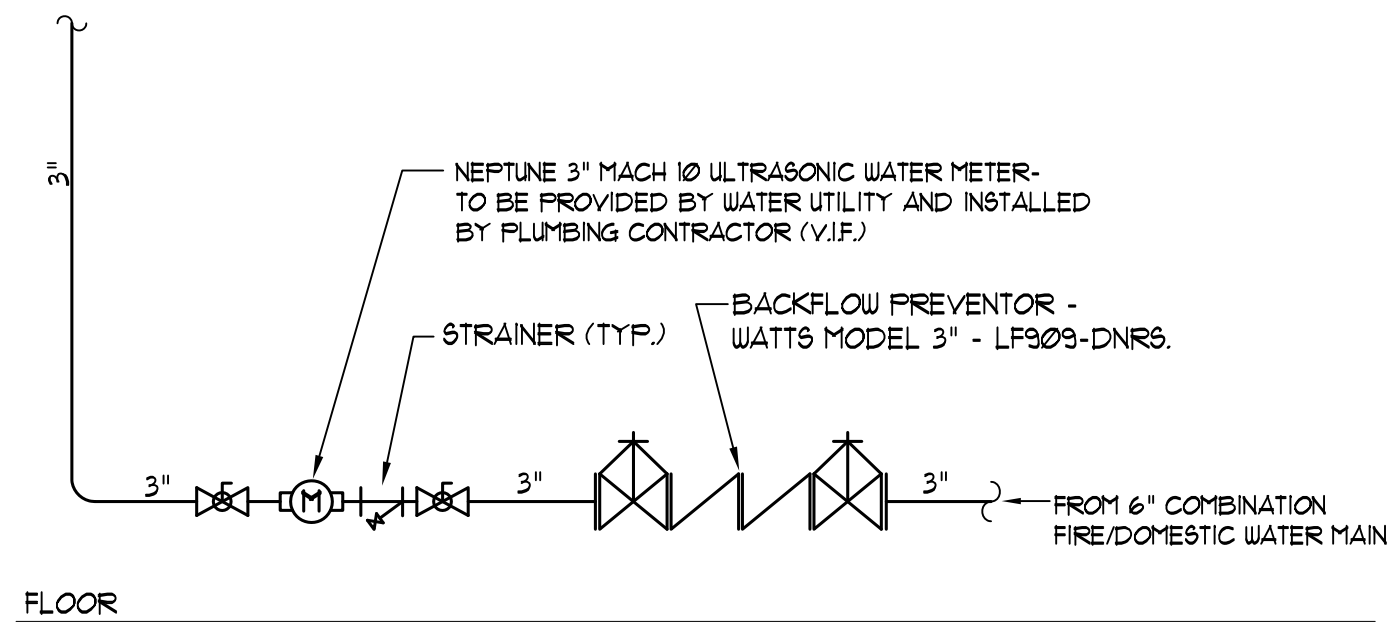
ISSUED:
 DESIGN DEVELOPMENT

DRAWING TITLE:
 ROOF DRAINAGE PLAN

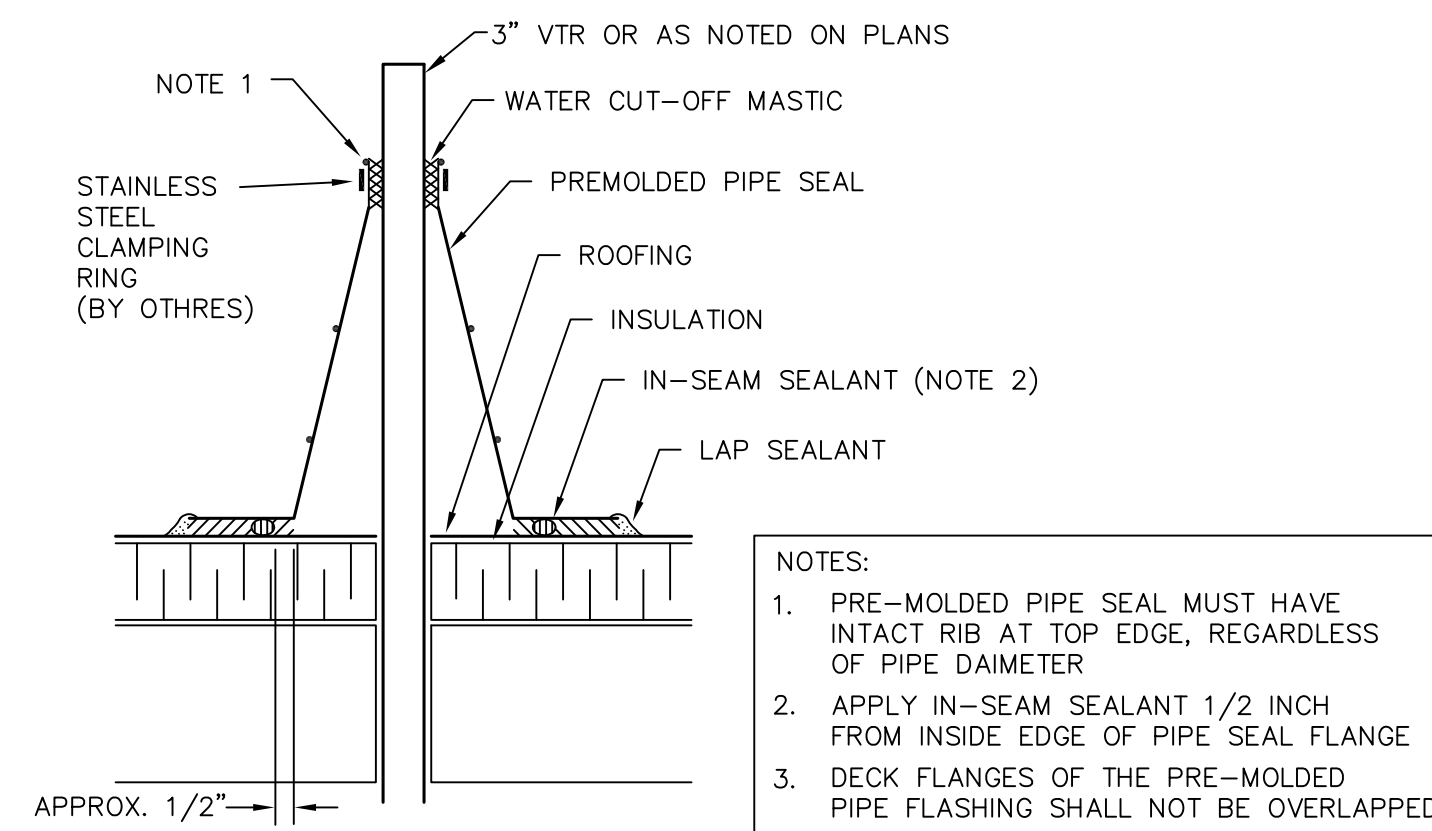
PROJECT NO: 22-950 DATE: MAY 31, 2023
 SHEET NUMBER:



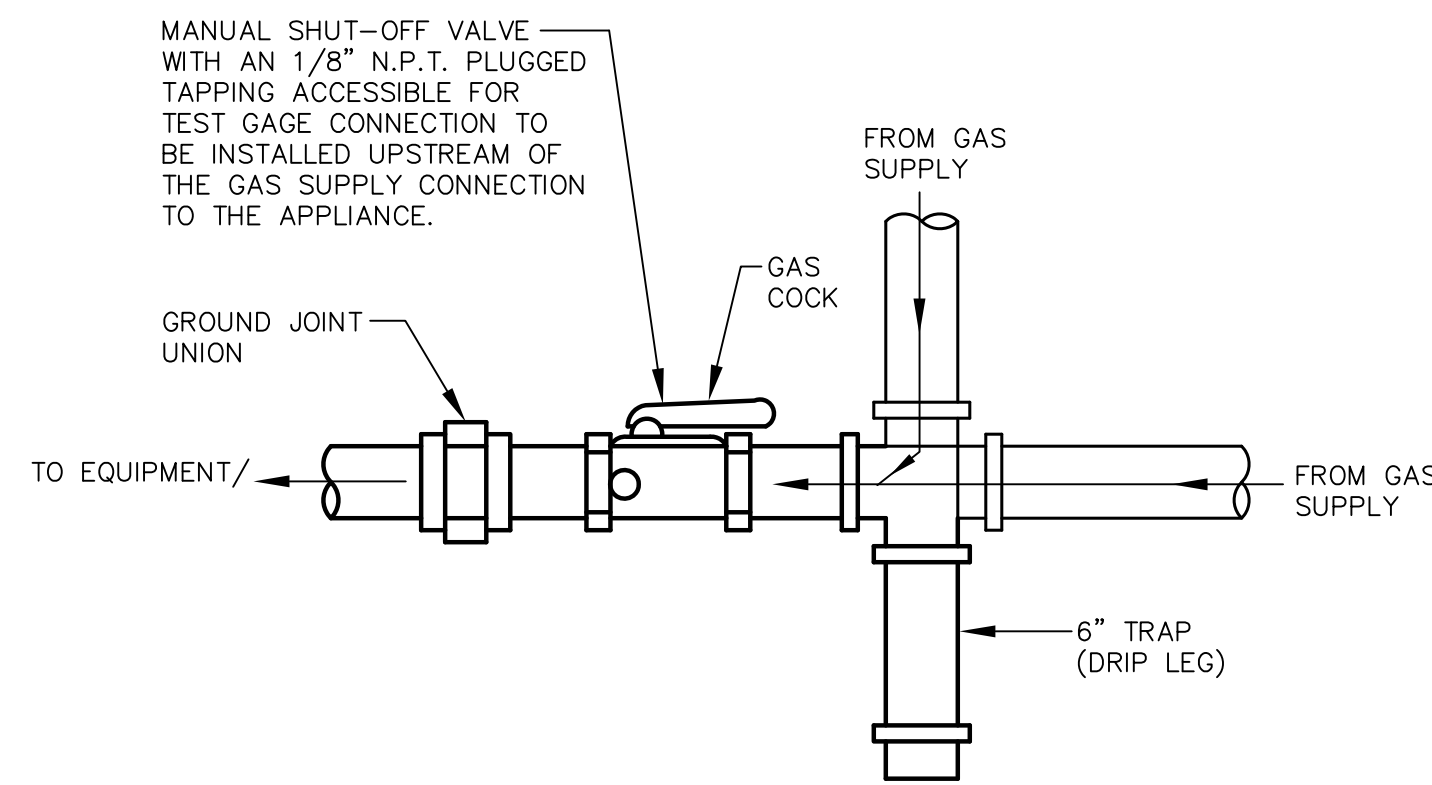
GAS WATER HEATER WITH MIXING VALVE DETAIL AND RECIRCULATION LOOP
NOT TO SCALE



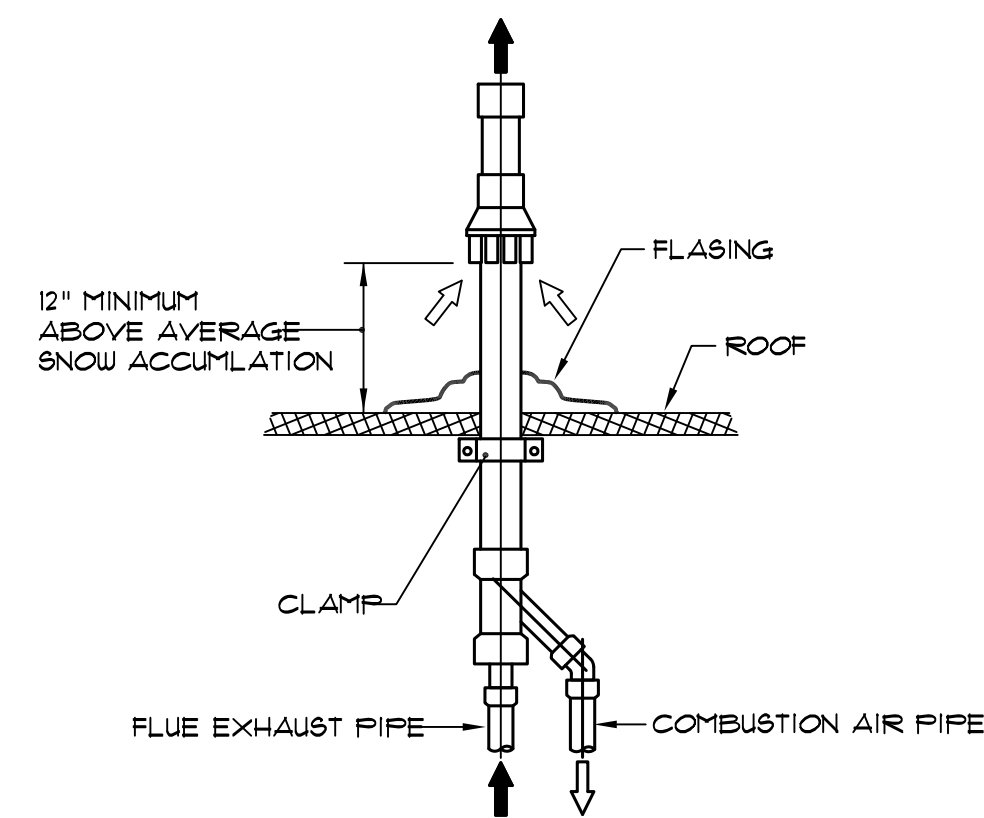
DOMESTIC WATER SERVICE ENTRANCE/WATER METER DETAIL
NOT TO SCALE



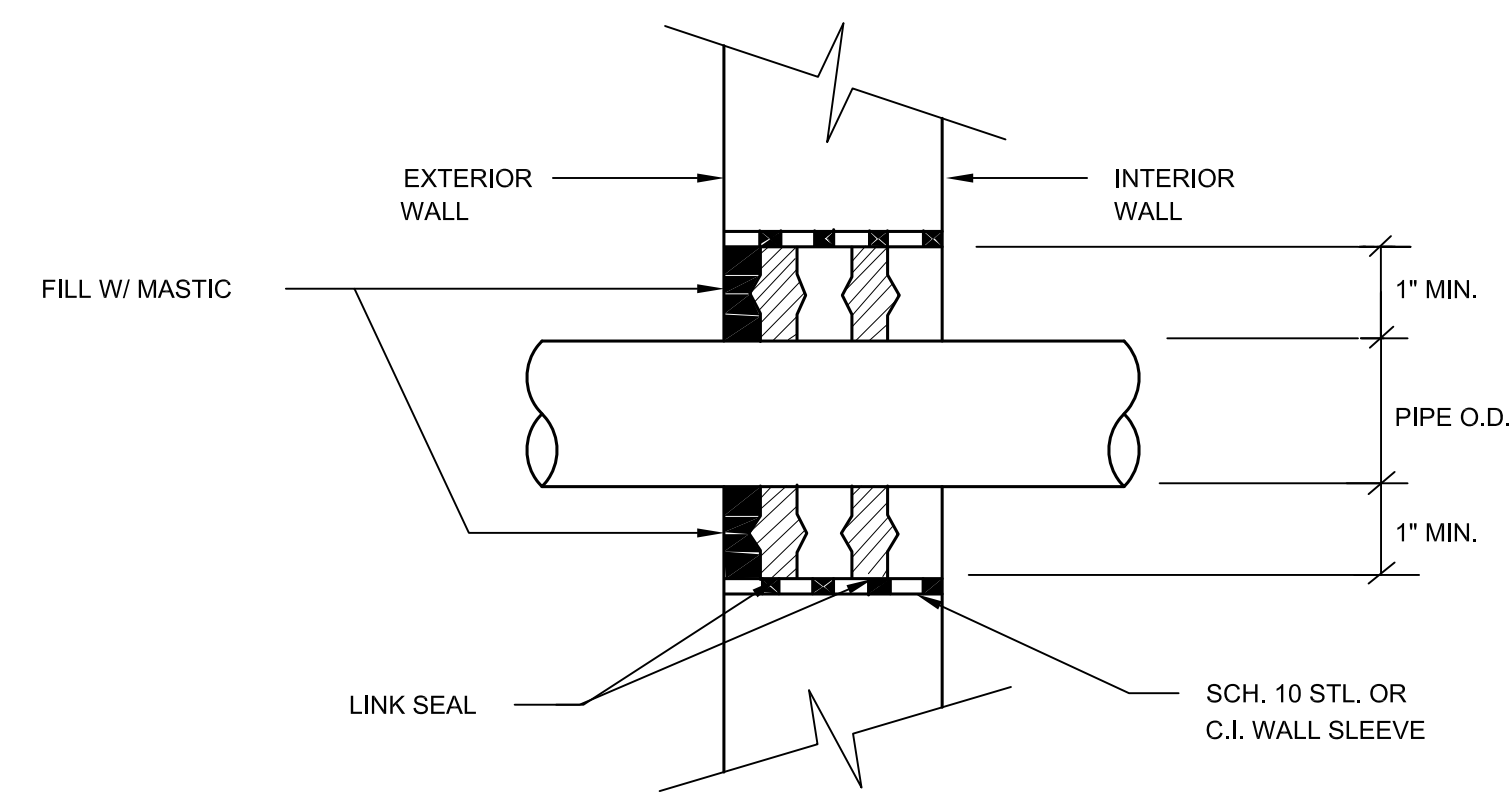
PLUMBING VENT THROUGH ROOF DETAIL
NOT TO SCALE



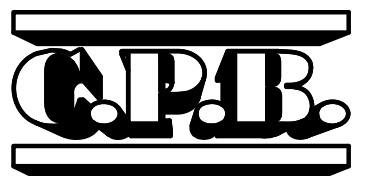
GAS CONNECTION TO EQUIPMENT DETAIL
NOT TO SCALE



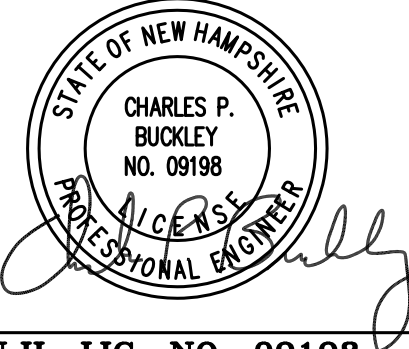
CONCENTRIC FLAT ROOF TERMINATION INSTALLATION DETAIL
(TYPICAL FOR RINNAI INSTANTANEOUS WATER HEATER)
N.T.S.



EXTERIOR WALL SLEEVE DETAIL
NOT TO SCALE



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N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

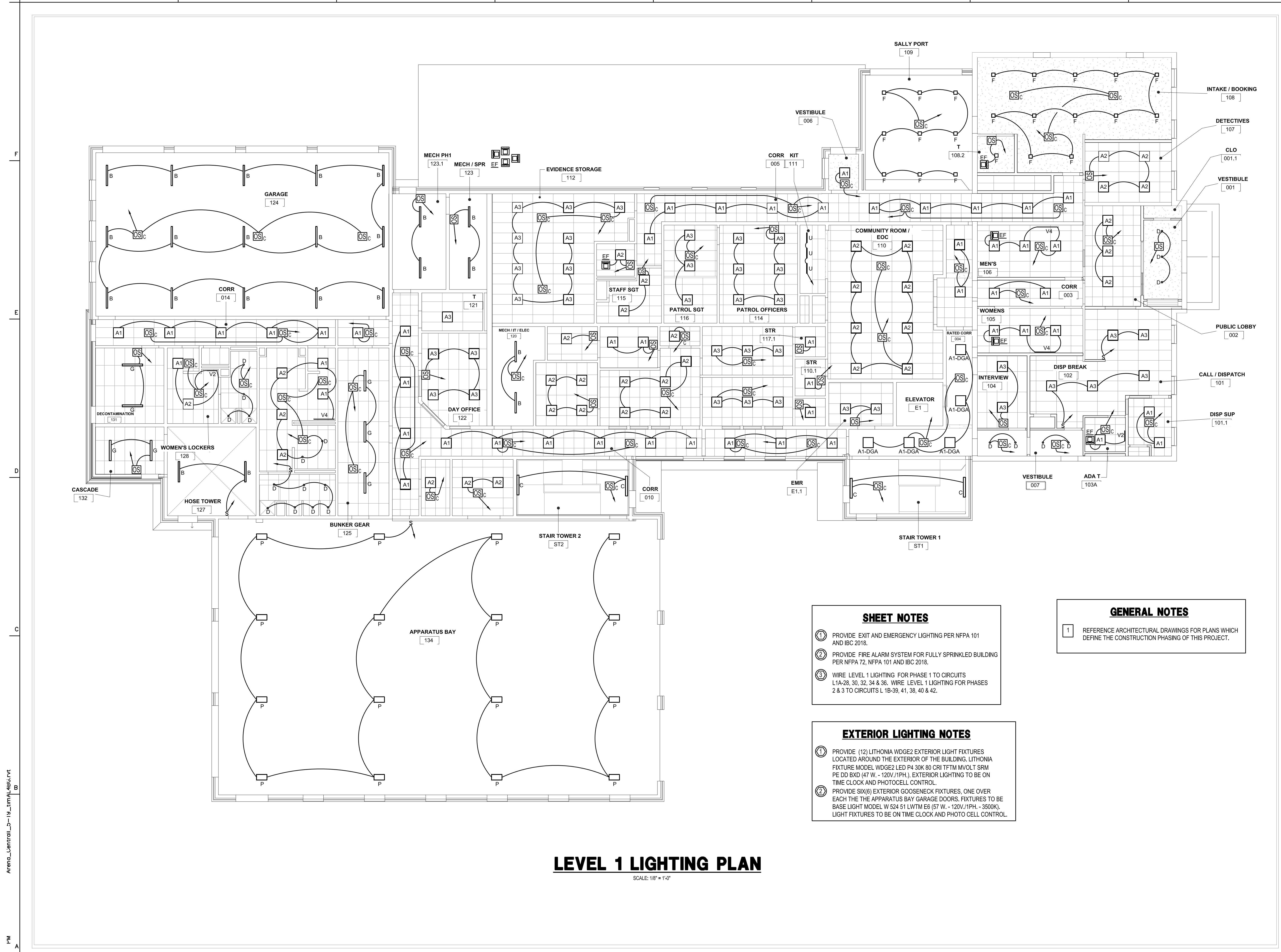
KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
PLUMBING DETAILS

PROJECT NO: 22-950 DATE: MAY 31, 2023
SHEET NUMBER:



LEVEL 1 LIGHTING PLAN

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

SHEET NOTES

- ① PROVIDE EXIT AND EMERGENCY LIGHTING PER NFPA 101 AND IBC 2018.
- ② PROVIDE FIRE ALARM SYSTEM FOR FULLY SPRINKLED BUILDING PER NFPA 72, NFPA 101 AND IBC 2018.
- ③ WIRE LEVEL 1 LIGHTING FOR PHASE 1 TO CIRCUITS L1A-28, 30, 32, 34 & 36. WIRE LEVEL 1 LIGHTING FOR PHASES 2 & 3 TO CIRCUITS L1B-39, 41, 38, 40 & 42.

EXTERIOR LIGHTING NOTES

- ① PROVIDE (12) LITHONIA WEDGE2 EXTERIOR LIGHT FIXTURES LOCATED AROUND THE EXTERIOR OF THE BUILDING. LITHONIA FIXTURE MODEL WEDGE2 LED P4 30K 80 CRI TFM MVOLT SRM PE DD BXD (47 W. - 120V/1PH.). EXTERIOR LIGHTING TO BE ON TIME CLOCK AND PHOTOCELL CONTROL.
- ② PROVIDE SIX(6) EXTERIOR GOOSENECK FIXTURES, ONE OVER EACH THE APPARATUS BAY GARAGE DOORS. FIXTURES TO BE BASE LIGHT MODEL W 524 51 LWTM E6 (57 W. - 120V/1PH. - 3500K). LIGHT FIXTURES TO BE ON TIME CLOCK AND PHOTO CELL CONTROL.

GENERAL NOTES

- 1 REFERENCE ARCHITECTURAL DRAWINGS FOR PLANS WHICH DEFINE THE CONSTRUCTION PHASING OF THIS PROJECT.



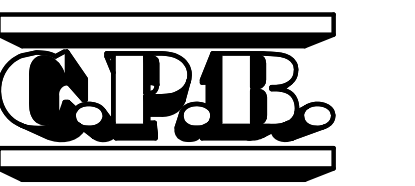
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N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

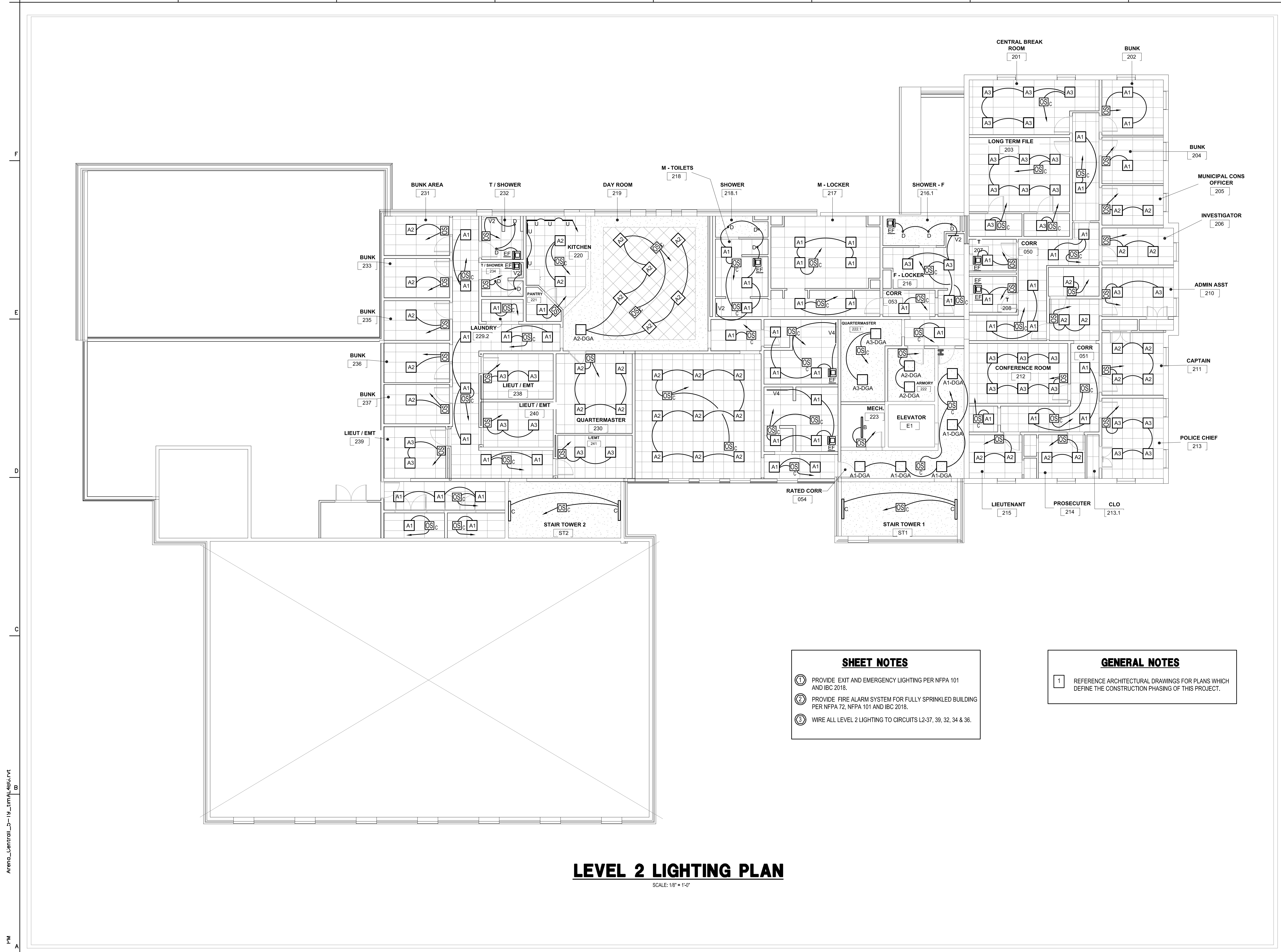
DRAWING TITLE:
LEVEL 1 LIGHTING PLAN

PROJECT NO: 22-95 DATE: MAY 31, 2023
SHEET NUMBER:

E104

Arena_Lentrol_3-19_11m_AL4816.rvt

P/W



banwell ARCHITECTS
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STATE OF NEW HAMPSHIRE
 CHARLES P. BUCKLEY
 NO. 09198
 PROFESSIONAL ENGINEER

N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

- SHEET NOTES**
- ① PROVIDE EXIT AND EMERGENCY LIGHTING PER NFPA 101 AND IBC 2018.
 - ② PROVIDE FIRE ALARM SYSTEM FOR FULLY SPRINKLED BUILDING PER NFPA 72, NFPA 101 AND IBC 2018.
 - ③ WIRE ALL LEVEL 2 LIGHTING TO CIRCUITS L2-37, 39, 32, 34 & 36.

- GENERAL NOTES**
- 1 REFERENCE ARCHITECTURAL DRAWINGS FOR PLANS WHICH DEFINE THE CONSTRUCTION PHASING OF THIS PROJECT.

LEVEL 2 LIGHTING PLAN
 SCALE: 1/8" = 1'-0"

PROJECT:
 WOLFEBORO PUBLIC SAFETY BUILDING
 SOUTH MAIN ST.
 WOLFEBORO, NH

ISSUED:
 DESIGN DEVELOPMENT

DRAWING TITLE:
 LEVEL 2 LIGHTING PLAN

PROJECT NO: 22-950 DATE: MAY 31, 2023
 SHEET NUMBER:

E105

Arena_Level2_Lighting_19_19_2023.rvt

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

F

E

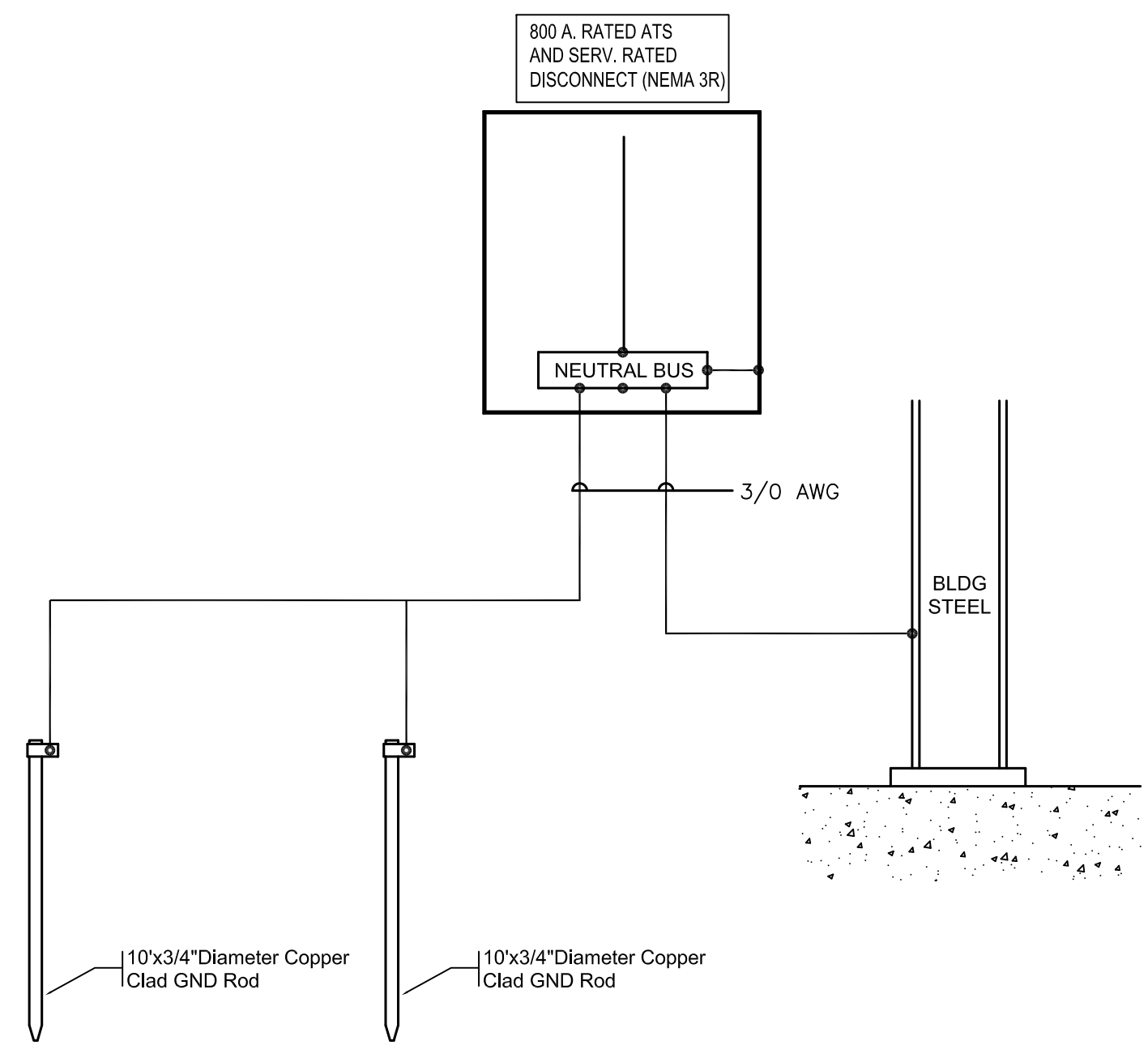
D

C

B

A

Arena_Contrails_D-19_11mAL4816.rvt



GROUNDING & BONDING DETAIL
NOT TO SCALE

NOTE:
PROVIDE CONTROL WIRING FROM GENERATOR TO ATS PER GENERATOR MANUFACTURER'S STANDARDS AND 2020 NATIONAL ELECTRIC CODE.

NOTE:
ELECTRICAL CONTRACTOR TO ENGAGE A MANUFACTURER'S FACTORY SERVICE REPRESENTATIVE TO PROVIDE PRE-FUNCTIONAL TESTING AND OWNER'S TRAINING FOR THE EMERGENCY GENERATOR.

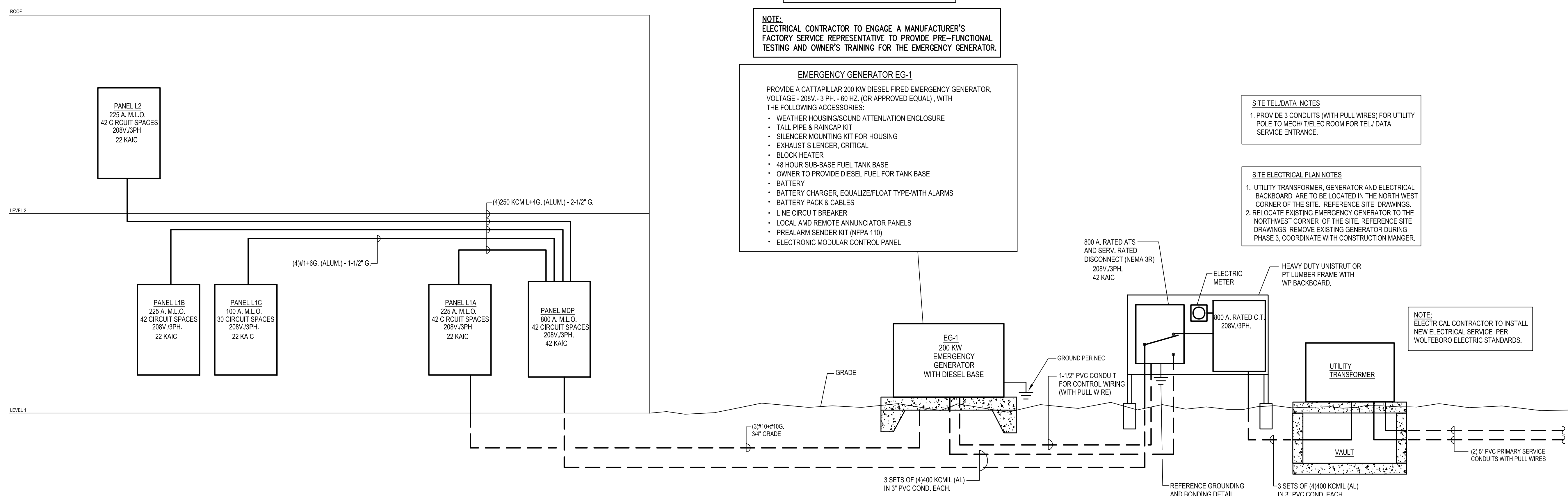
EMERGENCY GENERATOR EG-1
PROVIDE A CATTAPILLAR 200 KW DIESEL FIRED EMERGENCY GENERATOR, VOLTAGE - 208V - 3 PH. - 60 HZ. (OR APPROVED EQUAL), WITH THE FOLLOWING ACCESSORIES:

- WEATHER HOUSING/SOUND ATTENUATION ENCLOSURE
- TALL PIPE & RAINGAP KIT
- SILENCER MOUNTING KIT FOR HOUSING
- EXHAUST SILENCER, CRITICAL
- BLOCK HEATER
- 48 HOUR SUB-BASE FUEL TANK BASE
- OWNER TO PROVIDE DIESEL FUEL FOR TANK BASE
- BATTERY
- BATTERY CHARGER, EQUALIZE/FLOAT TYPE-WITH ALARMS
- BATTERY PACK & CABLES
- LINE CIRCUIT BREAKER
- LOCAL AMD REMOTE ANNUNCIATOR PANELS
- PREALARM SENDER KIT (NFPA 110)
- ELECTRONIC MODULAR CONTROL PANEL

SITE TEL/DATA NOTES
1. PROVIDE 3 CONDUITS (WITH PULL WIRES) FOR UTILITY POLE TO MECH/ELEC ROOM FOR TEL/ DATA SERVICE ENTRANCE.

SITE ELECTRICAL PLAN NOTES
1. UTILITY TRANSFORMER, GENERATOR AND ELECTRICAL BACKBOARD ARE TO BE LOCATED IN THE NORTH WEST CORNER OF THE SITE. REFERENCE SITE DRAWINGS.
2. RELOCATE EXISTING EMERGENCY GENERATOR TO THE NORTHWEST CORNER OF THE SITE. REFERENCE SITE DRAWINGS. REMOVE EXISTING GENERATOR DURING PHASE 3. COORDINATE WITH CONSTRUCTION MANGER.

NOTE:
ELECTRICAL CONTRACTOR TO INSTALL NEW ELECTRICAL SERVICE PER WOLFEBORO ELECTRIC STANDARDS.



ELECTRICAL RISER DIAGRAM
NOT TO SCALE

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STATE OF NEW HAMPSHIRE
CHARLES P. BUCKLEY
NO. 09198
PROFESSIONAL ENGINEER

N.H. LIC. NO. 09198

REVISION	DATE	COMMENTS

KEY PLAN & NORTH ARROW:

PROJECT:
WOLFEBORO PUBLIC SAFETY BUILDING
SOUTH MAIN ST.
WOLFEBORO, NH

ISSUED:
DESIGN DEVELOPMENT

DRAWING TITLE:
ELECTRICAL RISER DIAGRAM & GROUNDING & BONDING DETAIL

PROJECT NO: 22-95Q | DATE: MAY 31, 2023
SHEET NUMBER:

E106

CIRCUIT BREAKER PANEL NO. 'MDP'															
VOLTS: 120/208			WIRE: 4			KA RMS: 42 KAIC			NEUTRAL BAR: YES			BRANCH CB: BOLT-ON			
PHASE: 3			RATED AMP: 800			MAIN LUG ONLY			GROUND BAR: YES			KEY LOCK: YES			
MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			
VOLT-AMPS(V-A)			CIRCUIT DESCRIPTION			CONDUCTOR			POLES			C.B.			
A	B	C													
3600	3600	3600	RTU-1	4#8-#10G.	3	45	1	2	50	3	4#8-#10G.	RTU-3	4800	4800	
3600	3600	3600	RTU-2	4#8-#10G.	3	45	5	6	20	3	4#12-#12G.	MAU-1	1800	1800	
17400	14800	14400	PANEL L1A	4#30-#6G.	3	200	13	14	200	3	4#30-#6G.	PANEL L1B	15900	18000	
0	0	0	PANEL L1C	4#3-#6G.	3	100	17	18	40	3	4#8-#10G.	GARAGE PLYMOVENT SYSTEM	2900	17200	
3700	3700	3700	APPARATUS BAY PLYMOVENT SYSTEM	4#8-#10G.	3	50	21	22	25	3	4#10-#10G.	APPARATUS BAY AIR COMPR.	2000	2900	
13800	13800	11800	PANEL L2	4#30-#6G.	3	200	23	24				SPACE			
			SPACE				25	26				SPACE			
			SPACE				27	28				SPACE			
			SPACE				29	30				SPACE			
			SPACE				31	32				SPACE			
			SPACE				33	34				SPACE			
			SPACE				35	36				SPACE			
			SPACE				37	38				SPACE			
			SPACE				39	40				SPACE			
			SPACE				41	42				SPACE			
42100	39500	36900	TOTAL									TOTAL	27400	29900	
TOTAL CONNECTED LOAD: 204,500 VA (568 A.)													27400	29900	28700

CIRCUIT BREAKER PANEL NO. 'L1A'															
VOLTS: 120/208			WIRE: 4			KA RMS: 22 KAIC			NEUTRAL BAR: YES			BRANCH CB: BOLT-ON			
PHASE: 3			RATED AMP: 225			MAIN LUG ONLY			GROUND BAR: YES			KEY LOCK: YES			
MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			
VOLT-AMPS(V-A)			CIRCUIT DESCRIPTION			CONDUCTOR			POLES			C.B.			
A	B	C													
1000	1500	600	ECH-1	2#12-#12G.	1	20	1	2	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	ECH-1	2#12-#12G.	1	20	3	4	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	UH-2A & 2B	2#12-#12G.	1	20	5	6	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	7	8	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	9	10	20	1	2#12-#12G.	RECEPT.	1000	1000	
800	1000	1000	RECEPT.	2#12-#12G.	1	20	11	12	20	1	2#12-#12G.	ECH-1	1500	1500	
800	1000	1000	UH-1A, B, C, D	2#12-#12G.	1	20	13	14	40	2	3#10-#10G.	DSPH-2	3200	3200	
1000	1000	1000	CORD REELS	2#12-#12G.	1	20	15	16				SPACE	3200	3200	
1800	1500	1000	CORD REELS	2#12-#12G.	1	20	17	18	40	2	3#10-#10G.	DSPH-3	3200	3200	
1800	1500	1500	EF-6 & LOUVERS	2#12-#12G.	1	20	19	20				SPACE	3200	3200	
600	600	1500	B-1 BOILER	2#12-#12G.	1	20	21	22	15	2	3#12-#12G.	ERV-1	1400	1400	
600	600	1500	B-2 BOILER	2#12-#12G.	1	20	23	24				SPACE	1400	1400	
600	600	600	P-1 PUMP	4#12-#12G.	3	20	25	26	20	1	2#12-#12G.	WH-1 RECEPT.	1000	1000	
600	600	600	P-2 PUMP	4#12-#12G.	3	20	27	28	20	1	2#12-#12G.	LIGHTING	1000	1000	
600	600	600	P-2 PUMP	4#12-#12G.	3	20	29	30	20	1	2#12-#12G.	LIGHTING	1000	1000	
600	600	600	P-2 PUMP	4#12-#12G.	3	20	31	32	20	1	2#12-#12G.	LIGHTING	1000	1000	
1200	1000	600	EXTERIOR LIGHTING	2#10-#10G.	1	20	33	34	20	1	2#10-#10G.	EG-1 BATTERY CHARGER	400	400	
1200	1000	600	WH-1	2#12-#12G.	1	20	35	36	20	1	2#12-#12G.	LIGHTING	1000	1000	
600	600	600	EG-1 BLOCK HEATER	2#10-#10G.	1	20	37	38	40			SPACE	400	400	
7000	7200	5900	TOTAL									TOTAL	10800	8600	
TOTAL CONNECTED LOAD: 46,500 VA (129 A.)													10800	8600	9100

CIRCUIT BREAKER PANEL NO. 'L1B'															
VOLTS: 120/208			WIRE: 4			KA RMS: 22 KAIC			NEUTRAL BAR: YES			BRANCH CB: BOLT-ON			
PHASE: 3			RATED AMP: 225			MAIN LUG ONLY			GROUND BAR: YES			KEY LOCK: YES			
MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			
VOLT-AMPS(V-A)			CIRCUIT DESCRIPTION			CONDUCTOR			POLES			C.B.			
A	B	C													
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	1	2	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	3	4	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	5	6	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	7	8	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	9	10	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	11	12	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	NISS - ELEVATOR	2#12-#12G.	1	20	13	14	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT - ELEV.	2#12-#12G.	1	20	15	16	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT - OIL MINDUR	2#12-#12G.	1	20	17	18	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	19	20	20	1	2#12-#12G.	RECEPT.	2200	2200	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	21	22	20	1	2#12-#12G.	RECEPT.	1000	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	23	24	20	1	2#12-#12G.	RECEPT.	1500	1000	
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	25	26	20	1	2#12-#12G.	ECH-1	1500	1500	
1500	1500	1000	RECEPT.	2#12-#12G.	1	20	27	28	20	2	3#12-#12G.	ECH-2	1500	1500	
1500	1500	1500	ECH-1	2#12-#12G.	1	20	29	30	30	1	2#12-#12G.	ECH-1	1500	1500	
1500	1500	1500	ECH-2	2#12-#12G.	2	20	31	32	40	2	3#10-#10G.	DSPH-1	3200	3200	
200	1000	1000	UH-2	2#12-#12G.	1	20	33	34	20	1	2#12-#12G.	LIGHTING	1000	1000	
200	1000	1000	LIGHTING	2#12-#12G.	1	20	35	36	20	1	2#12-#12G.	LIGHTING	1000	1000	
200	1000	1000	LIGHTING	2#12-#12G.	1	20	37	38	20	1	2#12-#12G.	LIGHTING	1000	1000	
6700	7500	7500	TOTAL									TOTAL	9200	10900	
TOTAL CONNECTED LOAD: 51,500 VA (143 A.)													9200	10900	9700

CIRCUIT BREAKER PANEL NO. 'L1C'															
VOLTS: 120/208			WIRE: 4			KA RMS: 22 KAIC			NEUTRAL BAR: YES			BRANCH CB: BOLT-ON			
PHASE: 3			RATED AMP: 100			MAIN LUG ONLY			GROUND BAR: YES			KEY LOCK: YES			
MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			
VOLT-AMPS(V-A)			CIRCUIT DESCRIPTION			CONDUCTOR			POLES			C.B.			
A	B	C													
			SPACE				1	2				SPACE			
			SPACE				3	4				SPACE			
			SPACE				5	6				SPACE			
			SPACE				7	8				SPACE			
			SPACE				9	10				SPACE			
			SPACE				11	12				SPACE			
			SPACE				13	14				SPACE			
			SPACE				15	16				SPACE			
			SPACE				17	18				SPACE			
			SPACE				19	20				SPACE			
			SPACE				21	22				SPACE			
			SPACE				23	24				SPACE			
			SPACE				25	26				SPACE			
			SPACE				27	28				SPACE			
			SPACE				29	30				SPACE			
0	0	0	TOTAL									TOTAL	0	0	
TOTAL CONNECTED LOAD: 0 VA (0 A.)													0	0	0

CIRCUIT BREAKER PANEL NO. 'L2'														
VOLTS: 120/208			WIRE: 4			KA RMS: 22 KAIC			NEUTRAL BAR: YES			BRANCH CB: BOLT-ON		
PHASE: 3			RATED AMP: 225			MAIN LUG ONLY			GROUND BAR: YES			KEY LOCK: YES		
MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE		
VOLT-AMPS(V-A)			CIRCUIT DESCRIPTION			CONDUCTOR			POLES			C.B.		
A	B	C												
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	1	2	20	1	2#12-#12G.	RECEPT.	1000	1000
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	3	4	20	1	2#12-#12G.	RECEPT.	1000	1000
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	5	6	20	1	2#12-#12G.	RECEPT.	1000	1000
1000	1000	1000	RECEPT.	2#12-#12G.	1	20	7	8	20					