



CITY OF BOISE FIRE STATION 8

CONTRACT DRAWINGS FOR:

CITY OF BOISE FIRE STATION 8

3575 W Overland Rd
Boise, ID 83705

PROJECT NO. 15-28
PLOT DATE: 01.29.16

PROJECT PHASE:
75% CD's

ARCHITECTURAL
STRUCTURAL
ELECTRICAL
MECHANICAL
PLUMBING
ACOUSTICAL



PROJECT CONTACT INFORMATION:

OWNER	ARCHITECT OF RECORD
CITY OF BOISE 150 N. CAPITOL BLVD. BOISE, ID 83702	COLE ARCHITECTS 802 W. BANNOCK ST. SUITE 208 BOISE, ID 83702
CRAIG JOHNSON 208.384.3945 cjjohnson@cityofboise.org	STAN COLE 208.345.1800 stan@colearchitects.net

ARCHITECT DESIGN CONSULTANT
TCA ARCHITECTURE • PLANNING 6211 ROOSEVELT WAY NE. SEATTLE, WA 98115

LANDSCAPE / CIVIL
BRECKON LAND DESIGN INC. 181 E. 50TH ST. BOISE, ID 83711

STRUCTURAL
KPFF 412 PARKCENTER BLVD. SUITE 204 BOISE, ID 83706

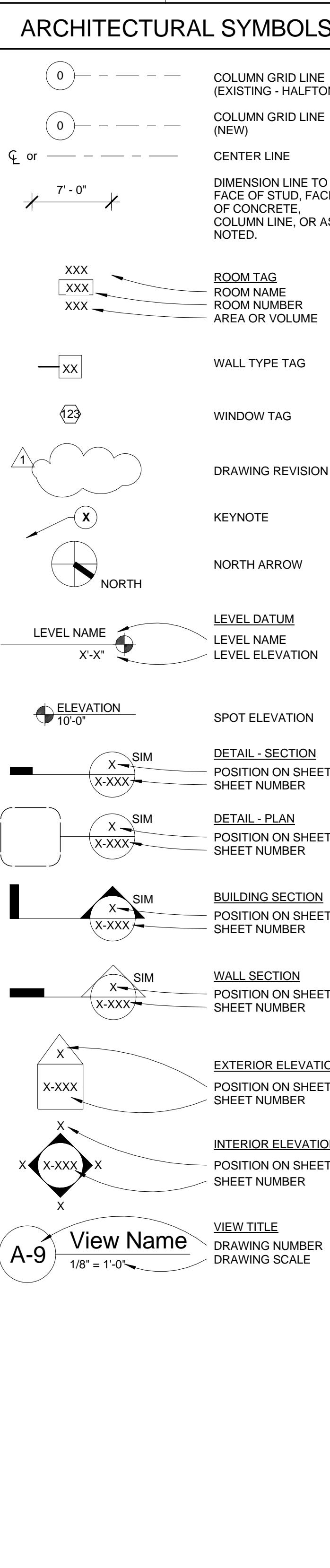
ELECTRICAL / MECHANICAL
MUSGROVE ENGINEERING 410 S. ORCHARD ST. BOISE, ID 83705
JORDAN TERRY 208.336.9511 jterry@kpff-id.com
CHARLES PAULIN 208.384.0585 charlesp@musgrovepa.com
THAD MASON 208.384.0585 thadm@musgrovepa.com

CONTRACTOR
ESI 3330 E. LOUISE DR. SUITE 300 MERIDIAN, ID 83642
DUSTIN HILGER 208.362.3040 dustinhilger@esiconstruction.com

NOT FOR CONSTRUCTION

G000

ABBREVIATIONS:	
ABBREVIATION	DESCRIPTION
AB	ANCHOR BOLT
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
APPROX	APPROXIMATELY
BD	BOND
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
CJ	CONCRETE CONSTRUCTION JOINT
CLG	CLEAR
CLR	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
DBL	DOUBLE
DEMO	DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
(E)	EXISTING
EA	EACH
ELEV	ELEVATION
EMB	EMBEDDED
EQ	EQUAL
EXP	EXPANSION
(F)	FUTURE
FB	FLAT BAR
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FLASH	FLASHING
FLR	FLOOR
FOB	FACE OF BRICK
FOF	FACE OF FOUNDATION
FOAM	FACE OF MASONRY
FOS	FACE OF STUD
FT	FOOT/FEET
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GND	GROUNDED
GYP	GYPSUM
H	HIGH
HB	HOLLOW METAL or HERMAN MILLER
HCR	HOLLOW CIRCLE
HP	HIGH POINT
HR	HOUR
HS	HIGH STRENGTH
HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
JT	JOINT
LG	LONG
LLV	LONG LEG VERTICAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MN	MINIMUM
MO	MASONRY OPENING
(NI)	NEW
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PL	PLATE
PROJ	PROJECT
PT	POINT
R	RISER
RE	RELOCATED
RAD	RADIATOR
RD	ROOF DRAIN
REF	REFERENCE
REFIN	REINFORCEMENT, REINFORCED
REFQ	REQUIREMENT
ROD	ROUGH OPENING
RWC	RAIN WATER CONDUCTOR OR DOWNSPOUT
SECT	SECTION
SIM	SIMILAR
SHT	SHEET
SPCC	SPILL CONTAINMENT
SQ	SQUARE
STD	STANDARD
STL	STEEL
STRU	STRUCTURAL
TEL	TELEPHONE
TO	TOP OFF
TOC	TOP OF CURB
TOJ	TOP OF JOIST
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYPE	TYPE
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
W	WIDE
WD	WOOD
WO	WIDTH OF OPENING
WP	WEATHERPROOF
WS	WOOD SCREW
W/S	WOOD SURFACE
WT	WEIGHT
WWF	WELDED WIRE FABRIC



GENERAL PROJECT NOTES:

A. GENERAL PROJECT NOTES APPLY TO ALL SHEETS & SPECIFICATIONS. CONTRACTOR AND SUB-CONTRACTORS ARE TO REVIEW ALL CONTRACT DOCUMENTS AND COORDINATE THEIR SCOPE OF WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS. INFORMATION COMMON TO SEVERAL DRAWINGS MAY BE NOTED ON ONLY ONE. CONTRACTOR IS RESPONSIBLE FOR ENTIRE SET OF DOCUMENTS.

B. IF INFORMATION ON SEPARATE SHEETS OR DETAILS INDICATE CONFLICTING INFORMATION OR QUESTIONS ABOUT THE SCOPE OF WORK OR DESIGN INTENT, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IMMEDIATELY BEFORE BIDS ARE FINALIZED TO CLARIFY SCOPE OF WORK. IF THE SCOPE OF WORK REMAINS UNCLEAR THEN THE CONTRACTOR OR SUB-CONTRACTOR IS INSTRUCTED TO PRICE AND PROVIDE THE MOST EXPENSIVE SCOPE OF WORK IN THEIR BID.

C. WHERE CONFLICTING DIRECTION IS GIVEN WITHIN THE SPECIFICATIONS AND DRAWINGS THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IMMEDIATELY BEFORE BIDS ARE FINALIZED TO CLARIFY SCOPE OF WORK. IF THE SCOPE OF WORK REMAINS UNCLEAR THEN THE CONTRACTOR OR SUB-CONTRACTOR IS INSTRUCTED TO PRICE AND PROVIDED THE MOST EXPENSIVE SCOPE OF WORK IN THEIR BID.

D. COORDINATE CONSTRUCTION ACTIVITY WITH PROJECT SPECIFICATIONS. ALL SPECIFICATIONS REFERENCED IN DRAWINGS OR NOTES SHALL BE PART THIS PROJECT'S SCOPE OF WORK. MISNUMBERED (OR MISLABELED) SPECIFICATIONS OR REFERENCES ARE ALSO PART OF THIS PROJECT'S SCOPE OF WORK AND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR IS RESPONSIBLE TO INCORPORATE ALL SPECIFICATIONS INTO THE PROJECT'S SCOPE OF WORK.

E. ALL BUILDING COMPONENTS ARE TO BE INSTALLED PER THE MANUFACTURER INTENDED USE AND IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFIED LOAD ATTACHED REQUIRED CLEARANCES, JOINERY ATTACHMENT TECHNIQUES, FASTENING METHODS & APPROVED SUBSTRATE. CONTACT ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH INSTALLATION OF COMPONENTS THAT DO NOT MEET THE MANUFACTURER'S RECOMMENDATIONS.

F. SCREEN MECHANICAL SYSTEMS FROM TRANSFERRING DUST AND DEBRIS FROM PROJECT AREA TO THE REMAINDER OF THE BUILDING.

G. DO NOT SCALE DRAWINGS. IF SPECIFIC DIMENSIONS ARE NEEDED CONSULT ARCHITECT.

H. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS. WHERE DISCREPANCIES OCCUR, THEY SHALL BE REPORTED TO ARCHITECT FOR RESOLUTION.

I. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

J. PROVIDE BLOCKING OR ATTACHMENT PLATES OR ANCHORS OR FASTENERS OF ADEQUATE SIZE AND NUMBER TO SECURELY ANCHOR EACH COMPONENT IN PLACE, ACCURATELY LOCATED AND ALIGNED WITH OTHER PORTIONS OF THE WORK. WHERE SIZE AND TYPE OF ATTACHMENTS ARE NOT INDICATED, VERIFY SIZE AND TYPE REQUIRED FOR LOAD CONDITIONS.

K. PROVIDE WALL BACKING FOR ALL WALL MOUNTED BUILDING COMPONENTS, SUCH AS BUT NOT LIMITED TO MILLWORK, BATHROOM ACCESSORIES, HANDRAILS, LADDERS, SHELVING & ELECTRONIC DEVICES. PROVIDE BACKING OF ADEQUATE SIZE AND NUMBER TO SECURELY ANCHOR EACH COMPONENT IN PLACE. WHERE SIZE AND TYPE OF ATTACHMENTS ARE NOT INDICATED, VERIFY SIZE AND TYPE REQUIRED WITH ARCHITECT FOR LOAD CONDITIONS.

L. THE DRAWINGS INDICATE LOCATION, DIMENSIONS, REFERENCE, AND TYPICAL DETAILS OF CONSTRUCTION. THE DRAWINGS DO NOT INDICATE EVERY CONDITION. WORK THAT IS NOT SPECIFICALLY DETAILED SHALL BE OF CONSTRUCTION SIMILAR TO PARTS THAT ARE DETAILED.

M. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING DOCUMENTS.

N. WHERE NO MATERIAL NOTES OCCUR, THE GRAPHIC MATERIAL INDICATION SHALL INDICATE MATERIAL TYPES AND ITEMS. SEE SYMBOL AND MATERIALS LIST ON THIS SHEET.

O. ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.

P. UNLESS OTHERWISE INDICATED ALL DRAWINGS, NOTES WHICH DO NOT READ "N.I.C.", "EXISTING", OR "EXISTING TO REMAIN" OR BY OTHERS SHALL INDICATE NEW WORK WHICH SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.

Q. THE CONTRACTOR(S) SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND FREE OF DEBRIS. AFTER CONSTRUCTION IS COMPLETE, THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP. REQUIREMENTS STRICTLY. DISPOSE OF MATERIALS LAWFULLY.

R. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS FOR ACCURACY PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

S. FIELD MEASUREMENTS: TAKE FIELD MEASUREMENTS AS REQUIRED TO FIT THE WORK PROPERLY. RECHECK MEASUREMENTS BEFORE INSTALLING EACH PRODUCT. WHERE PORTIONS OF THE WORK ARE INDICATED TO FIT TO OTHER CONSTRUCTION, VERIFY DIMENSIONS OF OTHER CONSTRUCTION BY FIELD MEASUREMENTS BEFORE FABRICATION. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.

T. THIS PROJECT MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OCCUPANCY AND FIRE DEPARTMENT APPROVAL FROM GOVERNING JURISDICTION.

U. COORDINATE STRUCTURAL, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION REQUIREMENTS, ROUTING, AND FIELD VERIFICATION.

V. WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FINISHED SURFACE OF NEW CONSTRUCTION WITH EXISTING CONSTRUCTION.

W. WHEN REQUIRED PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTURAL INSPECTOR FOR VERIFICATION OF TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION THEREWITH.

X. ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATIONS TO THOSE ITEMS REGULATED BY THE CODES MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH ANY OF THE PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE.

Y. EXAMINE ROUGHING-IN FOR MECHANICAL AND ELECTRICAL SYSTEMS TO VERIFY ACTUAL LOCATIONS OF CONNECTIONS BEFORE EQUIPMENT AND FIXTURE INSTALLATION. EXAMINE WALLS, FLOORS, AND ROOFS FOR SUITABLE CONDITIONS WHERE PRODUCTS AND SYSTEMS ARE TO BE INSTALLED. VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING COMPATIBILITY WITH EXISTING FINISHES OR PRIMERS.

AA. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. PROCEEDING WITH THE WORK INDICATES ACCEPTANCE OF SURFACES AND CONDITIONS.

BB. MAKE JOINTS OF UNIFORM WIDTH. WHERE JOINT LOCATIONS IN EXPOSED WORK ARE NOT INDICATED, ARRANGE JOINTS FOR THE BEST VISUAL EFFECT. FIT EXPOSED CONNECTIONS TOGETHER TO FORM HAIRLINE JOINTS.

CC. GRAPHIC PATTERNS OR HATCHES SHOWN IN DRAWINGS REPRESENT CONSTRUCTION MATERIALS AND ARE NOT TO BE USED AS LITERAL CONSTRUCTION GUIDELINES. CONTRACTOR IS TO COORDINATE ALL MATERIAL LAYOUT PRIOR TO CONSTRUCTION AND PROVIDE WORK BASED ON MANUFACTURES RECOMMENDATIONS AND STANDARD CONSTRUCTION TECHNIQUES. IF QUESTIONS ARISE CONTACT ARCHITECT FOR INTERPRETATION PRIOR TO CONSTRUCTION.

VICINITY MAP:



PROJECT INFORMATION

ADDRESS: 3575 W. OVERLAND RD.
PROPERTY DESCRIPTION: PAR #0340 OF LOTS 26-32 BLK 03 & LOTS 01-07 & VAC ALLEY STEINS ADD R/S 5532 #0376-S #0337-C
PARCEL NUMBER: R8123000340
LOT SIZE: 0.653 ACRES
NUMBER OF STORIES: 2
SQUARE FOOTAGE: 11,936 SQ FT
CONSTRUCTION TYPE: VB
OCCUPANCY: GROUP B-BUSINESS, A3-ASSEMBLY, S1 & S2-STORAGE, R2-RESIDENTIAL
LAND USE CODE: C-2D
FIRE SPRINKLERS: FULL SPRINKLERS

ARCHITECT:

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-3820

T C A
architecture • planning
TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820
STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE: 75% CD's

PROJECT NUMBER: 15-28

PROJECT MANAGER: R. TeBeau

PROJECT ARCHITECT: R. TeBeau

DESIGN: B. Harris/ R. TeBeau

DRAWN BY: M. Joseph

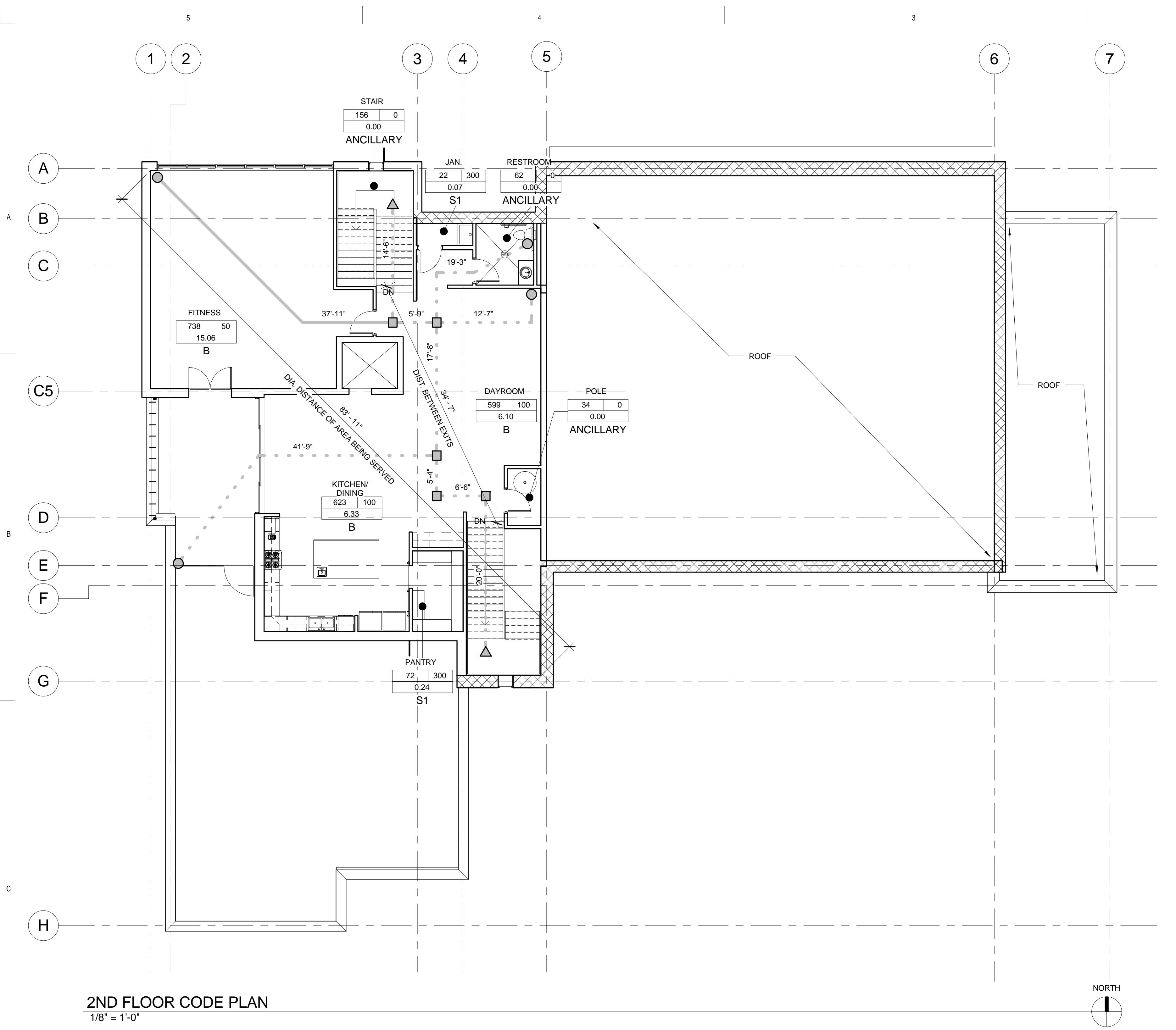
SHEET NAME:

SHEET NUMBER:

G001

MATERIAL LEGEND:

	CONCRETE (SECTION)
	GRANULAR FILL
	CONCRETE MASONRY UNITS
	BRICK
	RIGID INSULATION (SECTION)
	ACOUSTIC/ THERMAL INSULATION (SECTION)
	STUD WALL (PLAN & SECTION)
	EXISTING WALL TO REMAIN (PLAN & SECTION)
	DEMO WALL (PLAN & SECTION)
	STEEL (SECTION)
	ALUMINUM (SECTION)
	WOOD - FINISH (SECTION)
	DIMENSIONAL LUMBER (CONTINUOUS)
	DIMENSIONAL LUMBER (BLOCKING)
	LUMBER - FINISH (SECTION)
	EARTHWORK (SECTION)



CODE REVIEW:	GENERAL NOTES CODE PLAN:																																																		
<p><u>ADDRESS:</u> 3575 W. OVERLAND RD. BOISE, ID 83705</p> <p><u>APPLICABLE CODES:</u> 2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL RESIDENTIAL CODE (PARTS I - IV AND IX, APPENDIX G) 2012 INTERNATIONAL ENERGY CONSERVATION CODE IDAHO STATE PLUMBING CODE 2014 NATIONAL ELECTRIC CODE 2012 INTERNATIONAL FIRE CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL FUEL GAS CODE CODE</p> <p><u>FIRE SPRINKLER AND FIRE ALARM:</u> FIRE SPRINKLER SYSTEM - YES FIRE ALARM SYSTEM - YES</p> <p>THE FIRE SPRINKLER SYSTEM TO BE IN COMPLIANCE WITH NFPA 13 AND APPROVED BY THE STATE FIRE MARSHAL AND THE LOCAL FIRE DEPARTMENT. NEW WALL LOCATIONS MAY REQUIRE AN ALTERATION TO THE SPRINKLER SYSTEM TO MAINTAIN COMPLIANCE. WORK TO BE PERFORMED BY LICENSED FIRE SPRINKLER CONTRACTOR.</p> <p>FULLY SPRINKLERED BUILDING PER SECTION 903.2.6 FIRE ALARM PER SECTION 907</p> <p><u>503 (TABLE) GENERAL BUILDING HEIGHT AND AREA LIMITATIONS:</u> CONSTRUCTION TYPE: VB GROUP: B - BUSINESS - ALLOWABLE AREA (PER STORY) = 9,000 SF - ALLOWABLE HEIGHT = 2 STORY SECTION 506 - BUILDING AREA MODIFICATIONS: - 506.3 AUTOMATIC SPRINKLER SYSTEM INCREASE 200%: ALLOWABLE FLOOR AREA = 18,000 SF PER STORY ALLOWABLE HEIGHT = 3 STORIES - ACTUAL 1ST STORY BUILDING AREA: 10,243 SF - ACTUAL 2ND STORY BUILDING AREA: 2,592 SF - TOTAL BUILDING AREA: 11,936 SF</p> <p><u>1004 OCCUPANT LOAD (SEE SCHEDULE THIS SHEET & G003):</u> - 1ST STORY: 56 OCCUPANTS - 2ND STORY: 28 OCCUPANTS - TOTAL: 84 OCCUPANTS</p> <p><u>MEANS OF EGRESS</u></p> <p><u>11014.3 COMMON PATH OF EGRESS TRAVEL (SEE PLANS):</u> IN OCCUPANCIES OTHER THAN GROUPS, H-1, H-2, H-3, B, S, F, R-2, R-3, AND I-3, THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 75 FEET. - MAXIMUM TRAVEL DISTANCE = 37'-11" (SEE PLANS)</p> <p><u>1015.2.1 EXIT ACCESS (SEE PLANS):</u> THE EXIT DOORS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN 1/2 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS OR EXIT ACCESS DOORWAYS. - EXCEPTION 2: WHERE A BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM THE EXIT DOOR SHALL NOT BE LESS THAN 1/3 THE DIAGONAL DISTANCE. - DIAGONAL DISTANCE = $83\text{'-}11" / 3 = 28\text{'}-0"$ MINIMUM ACTUAL = 34'-7"</p> <p><u>1016.2 EXIT ACCESS TRAVEL DISTANCE (SEE PLANS):</u> TYPE B OCCUPANCY WITH FIRE SPRINKLER = 300' PERMITTED FIRST FLOOR TRAVEL DISTANCE (WORST CASE) = 148'-0" SECOND FLOOR TRAVEL DISTANCE (WORST CASE) = 79'-8"</p> <p><u>1015.1.1 EXITS OR EXIT ACCESS DOORWAYS FROM SPACES (SEE PLANS):</u> (2) EXITS SHALL BE PROVIDED IN B OCCUPANCY UNDER 500 OCCUPANTS - (2) REQUIRED - (3) PROVIDED</p> <p><u>1018.1 (TABLE) CORRIDOR FIRE-RESISTANCE RATING:</u> RATED CORRIDOR REQUIRED IN A, B, E, F, M, S, AND U, ARE NOT REQUIRED TO BE RATED IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM. - RATED CORRIDOR NOT REQUIRED.</p> <p><u>906.1 PORTABLE FIRE EXTINGUISHERS (SEE PLANS):</u> PROVIDE FIRE EXTINGUISHER(S) PER IBC REQUIREMENTS, TYPE A-1, MAX SPACING 75 LINEAL FEET (SEE PLANS).</p> <p><u>PLUMBING FIXTURE REQUIREMENTS:</u> SEE "PLUMBING FIXTURE REQUIREMENTS" (THIS SHEET) FOR DETAILED BREAKDOWN OF REQUIRED FIXTURES AND PROVIDED FIXTURES.</p>	<p>A. ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATIONS MUST BE SUBMITTED TO THE BUILDING DEPARTMENT OFFICE STAFF FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION IN THE FIELD. THE FIELD INSPECTOR WILL NOT APPROVE CHANGES TO THESE APPROVED PLANS AND SPECIFICATIONS.</p> <p>B. ABBREVIATIONS OR PARTIAL CODE SECTIONS NOTED ON THE PLAN AND PLAN REVIEW LIST ARE INTENDED TO INDICATE THE NATURE OF THE PLAN DEFICIENCY OR GIVE ADDITIONAL INFORMATION. THE FULL TEXT OF THE CODE, AS INDICATED BY THE CODE SECTION REFERENCED, ALWAYS APPLIES.</p> <p>C. THE ISSUANCE OR GRANTING OF A PERMIT OR APPROVAL OF PLANS, SPECIFICATIONS, AND COMPUTATIONS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE IBC OR ANY OTHER RADIANCE OF THIS JURISDICTION. PERMITS PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF THE IBC OR OTHER ORDINANCES OF THIS JURISDICTION SHALL NOT BE VALID.</p> <p>D. APPROVAL AS A RESULT OF AN INSPECTION SHALL NOT BE CONSTRUED TO BE AN APPROVAL OF VIOLATIONS OF THE PROVISIONS OF THE IBC OR OF OTHER ORDINANCES OF THIS JURISDICTION. INSPECTIONS PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF THE IBC OR OF OTHER ORDINANCES OF THIS JURISDICTION SHALL NOT BE VALID.</p> <p>E. THE RELOCATION OF FIRE SPRINKLER HEADS SHALL COMPLY WITH APPROVED FIRE SUPPRESSION SYSTEMS PLAN REVIEW DOCUMENTS.</p> <p>F. ALTERATIONS OR REPAIRS TO ANY BUILDING OR STRUCTURE SHALL CONFORM WITH THE REQUIREMENTS OF THE PLAN REVIEW COMMENTS. ADDITIONS OR ALTERATIONS SHALL NOT BE MADE TO AN EXISTING STRUCTURE WHICH WILL CAUSE THE EXISTING BUILDING OR STRUCTURE TO BE IN VIOLATION OF ANY PROVISIONS APPLICABLE IN THE IBC.</p> <p>G. NEW FIRE SPRINKLER SYSTEM OR MODIFIED EXISTING FIRE SPRINKLER SYSTEM ARE TO BE IN COMPLIANCE WITH ADOPTED VERSIONS OF NFPA 13 AND INTERNATIONAL BUILDING CODE, THE STATE FIRE MARSHAL AND LOCAL FIRE DEPARTMENT. WORK ON FIRE SPRINKLER SYSTEMS ARE TO BE CONDUCTED BY A LICENSED FIRE SPRINKLER CONTRACTOR. NEW SYSTEMS AND MODIFICATIONS TO EXISTING SYSTEMS REQUIRE SUBMISSION OF PLANS TO THE STATE FIRE MARSHAL'S OFFICE FOR REVIEW AND ACCEPTANCE PRIOR TO THE INSTALLATION OF ANY SYSTEM COMPONENTS.</p>																																																		
	<h3>LIFE SAFETY LEGEND</h3> <p>The legend includes the following symbols and labels:</p> <ul style="list-style-type: none"> NAME: XXX ROOM AREA: XXX OCCUPANCY LOAD FACTOR: XXX OCCUPANT LOAD: XXX OCCUPANCY TYPE: XXX EXIT: EXIT BUILDING EXIT & OVERHEAD EXIT SIGNAGE PER JURISDICTION REQUIREMENTS: FEC FIRE EXTINGUISHER - PROVIDE LARSEN'S MP10 FIRE EXTINGUISHER W/ VERTICAL DUO 2-1/2" SEMI-RECESSED CABINET OR APPROVED EQUAL: START: A circular symbol. STOP: An upward-pointing triangle symbol. EXIT ACCESS PATH: A dashed line connecting the start and stop points. CONT. OF PATH FROM FLOOR ABOVE OR BELOW: A dashed line continuing the path between floors. DISTANCE: A dimension line indicating the length of the path. COMMON PATH OF EGRESS TRAVEL: A solid line representing the total travel distance. END EXIT ACCESS: An exit symbol at the end of the path. FIRE RATED WALL - SEE KEYNOTE 1 THIS SHEET.: Indicated by a dashed line. 																																																		
	<h3>OCCUPANT LOAD:</h3> <table border="1"> <thead> <tr> <th>NAME</th> <th>AREA</th> <th>OCCUPANCY TYPE</th> <th>OCCUPANCY LOAD FACTOR</th> <th>OCCUPANCY LOAD</th> </tr> </thead> <tbody> <tr> <td>FITNESS</td> <td>738 SF</td> <td>B</td> <td>50</td> <td>15.06</td> </tr> <tr> <td>POLE</td> <td>34 SF</td> <td>ANCILLARY</td> <td>0</td> <td>0.00</td> </tr> <tr> <td>DAYROOM</td> <td>599 SF</td> <td>B</td> <td>100</td> <td>6.10</td> </tr> <tr> <td>KITCHEN/ DINING</td> <td>623 SF</td> <td>B</td> <td>100</td> <td>6.33</td> </tr> <tr> <td>PANTRY</td> <td>72 SF</td> <td>S1</td> <td>300</td> <td>0.24</td> </tr> <tr> <td>JAN.</td> <td>22 SF</td> <td>S1</td> <td>300</td> <td>0.07</td> </tr> <tr> <td>RESTROOM</td> <td>62 SF</td> <td>ANCILLARY</td> <td>0</td> <td>0.00</td> </tr> <tr> <td>STAIR</td> <td>156 SF</td> <td>ANCILLARY</td> <td>0</td> <td>0.00</td> </tr> <tr> <td></td> <td>2305 SF</td> <td></td> <td></td> <td>27.80</td> </tr> </tbody> </table>	NAME	AREA	OCCUPANCY TYPE	OCCUPANCY LOAD FACTOR	OCCUPANCY LOAD	FITNESS	738 SF	B	50	15.06	POLE	34 SF	ANCILLARY	0	0.00	DAYROOM	599 SF	B	100	6.10	KITCHEN/ DINING	623 SF	B	100	6.33	PANTRY	72 SF	S1	300	0.24	JAN.	22 SF	S1	300	0.07	RESTROOM	62 SF	ANCILLARY	0	0.00	STAIR	156 SF	ANCILLARY	0	0.00		2305 SF			27.80
NAME	AREA	OCCUPANCY TYPE	OCCUPANCY LOAD FACTOR	OCCUPANCY LOAD																																															
FITNESS	738 SF	B	50	15.06																																															
POLE	34 SF	ANCILLARY	0	0.00																																															
DAYROOM	599 SF	B	100	6.10																																															
KITCHEN/ DINING	623 SF	B	100	6.33																																															
PANTRY	72 SF	S1	300	0.24																																															
JAN.	22 SF	S1	300	0.07																																															
RESTROOM	62 SF	ANCILLARY	0	0.00																																															
STAIR	156 SF	ANCILLARY	0	0.00																																															
	2305 SF			27.80																																															



NOT FOR CONSTRUCTION

CONSULTANT:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:		
RK	DATE	DESCRIPTION

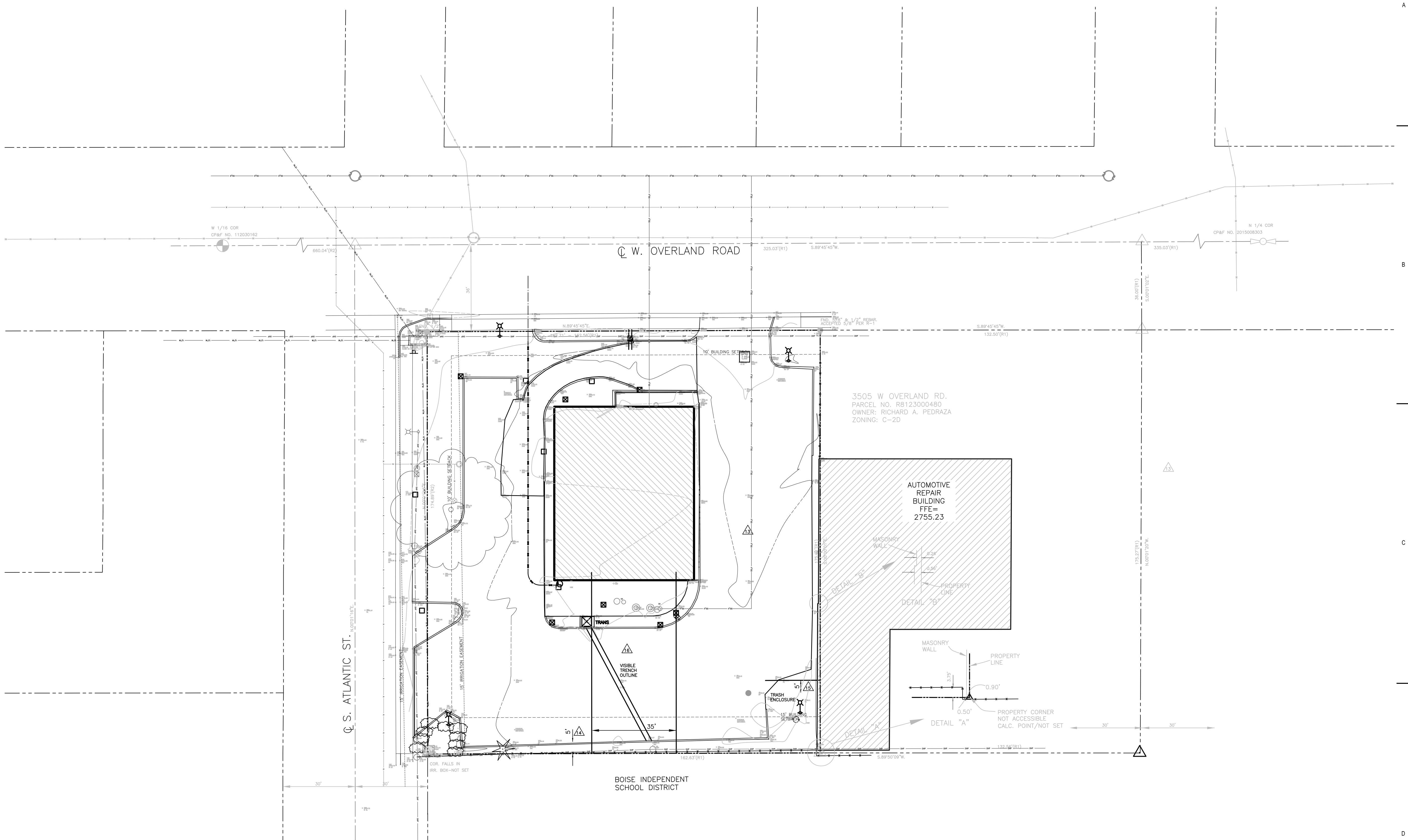
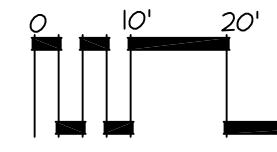
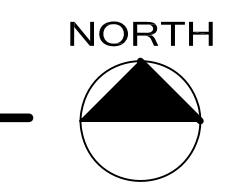
SHEET NAME:

SHEET NUMBER:

G004

1 SITE SURVEY

SCALE: 1" = 20'-0"

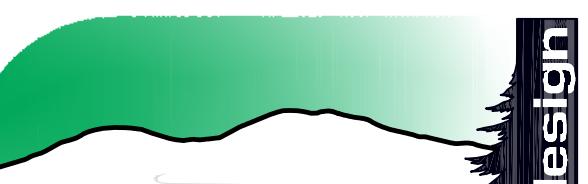


architecture • planning
TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



Landscape Architecture www.breckonlanddesign.com
• Erosion & Sediment Control Fax: 208-376-6528
• Geographic Info Systems Phone: 208-376-5153
• Graphic Communication 181 East 50th Street
• Water Management Garden City, Idaho 83714
• Irrigation Design
• Land Planning

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

Project Status

PROJECT PHASE	Project Status
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	
DRAWN BY	BS, LP, TC

SHEET NAME:

SITE SURVEY

SHEET NUMBER:

C1.10

TREE PROTECTION NOTES:

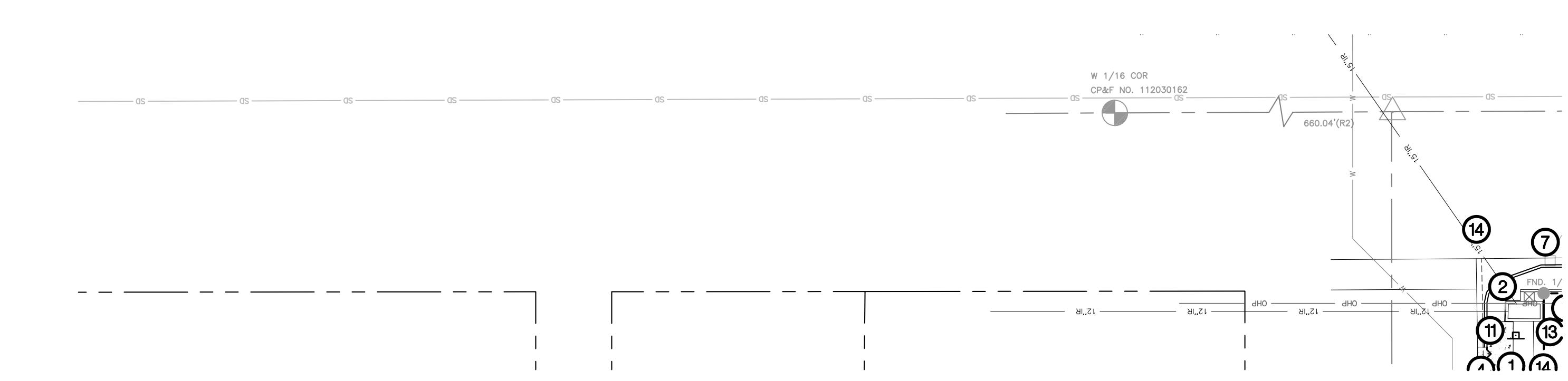
1. PROTECT THE CRITICAL ROOT ZONE (THE AREA DIRECTLY BELOW THE DRIP LINE OF THE TREE) OF THE TREES TO REMAIN ON SITE BY:
 - a. CONSTRUCTING A TEMPORARY CHAIN LINK FENCE AROUND THE CRITICAL ROOT ZONE OF THE TREE TO BE PROTECTED PRIOR TO DEMOLITION, CONSTRUCTION, OR ANY SITE WORK.
 - b. NOT ALLOWING COMPACTION BY EQUIPMENT TRAFFIC DURING CONSTRUCTION OR DURING DEMOLITION.
 - c. NOT ALLOWING CONCRETE TRUCKS TO RINSE WITHIN THE PROTECTION AREA, OR ANYWHERE NEAR EXISTING TREE ROOTS OR IN PLANNED PLANTING BEDS AREAS, WASHOUT AREAS, AND SEDIMENT CONTROL PLAN FOR APPROVED CONCRETE WASHOUT AREAS.
 - d. NOT STOCKPILING MATERIALS, DEBRIS, OR DIRT WITHIN THE TREE PROTECTION AREA.
 - e. WATERING WITHIN THE CRITICAL ROOT ZONE FROM MID-APRIL TO MID-OCTOBER AT THE RATE OF NOT LESS THAN THE EQUIVALENT OF 1-1/2" OF WATER OVER THE ENTIRE AREA PER WEEK.
 - f. NOT MACHINING, EXCAVATING, FILLING, OR OTHERWISE DISTURBING THE SOIL WITHIN THE CRITICAL ROOT ZONE.
2. ADJUST PROPOSED IMPROVEMENT LOCATIONS AS REQUIRED TO AVOID DAMAGING TREE ROOTS.
3. PROTECT THE CROWN AND TRUNK OF TREES TO BE RETAINED BY:
 - a. OPERATING EQUIPMENT IN SUCH A WAY AS TO AVOID CONTACT WITH TREE TRUNK OR BRANCHES.
 - b. HAVING TREES PRUNED BY A LICENSED ARBORIST.
4. ALL TREES DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED USING THE FOLLOWING CRITERIA:

EXISTING TREE	REPLACEMENT
1" TO 4" CALIPER	2X CALIPER OF TREE REMOVED
6" TO 12" CALIPER	1.5X CALIPER OF TREE REMOVED
> 12" OR LARGER CALIPER	IX CALIPER OF TREE REMOVED

EXAMPLE: IF AN 8" CALIPER TREE IS REMOVED, AN ACCEPTABLE REPLACEMENT WOULD BE (3) 4" CALIPER TREES OR (4) 3" CALIPER TREES.

SUMMARY NOTES

1. LIMITS OF WORK ARE IDENTIFIED ON PLANS.
2. TECHNICAL SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DRAWINGS. UPON SUBMITTAL OF A BID PRICE BY THE CONTRACTOR, IT IS RECOGNIZED THAT THE CONTRACTOR HAS REVIEWED THE TECHNICAL SPECIFICATIONS AND THE CONTRACTOR AGREES TO ABIDE BY THE REQUIREMENTS AND CONDITIONS CONTAINED THEREIN. THIS INCLUDES SPECIFICATIONS FOR THE WORK, INCLUDING DIVISION ONE SECTIONS AND SPECIFICATIONS FOUND ON THE DRAWINGS.
3. THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT FOR THE CONTRACTOR ON THE JOB SITE DURING ALL WORKING HOURS.
4. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK INDICATED IN THESE PLANS AND SPECIFICATIONS. ANY ITEM INDICATED IN THESE PLANS, BUT NOT ITEMIZED IN THE BID SCHEDULE, WILL BE INCLUDED UNDER A BID SCHEDULE ITEM TO WHICH IT MOST PERTAINS.
5. THE CONTRACTOR SHALL EXAMINE THE SITE, COMPARE IT WITH THE PLANS AND SPECIFICATIONS, CAREFULLY EXAMINE ALL OF THE CONTRACT DOCUMENTS, AND SATISFY HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED BEFORE SIGNING INTO CONTRACT. NO ALLEGANCE SHOULD SUBSEQUENTLY BE MADE ON BEHALF OF THE CONTRACTOR OR ACCOUNT OF AN ERROR ON HIS PART AND/OR HIS NEGLIGENCE AND/OR FAILURE TO ACQUAINT HIMSELF WITH THE CONDITIONS OF THE SITE.
6. THE CONTRACTOR SHALL CONTACT DIGLINE 12 HOURS PRIOR TO ANY EXCAVATION. 1-800-342-1585.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING SIDEWALKS OR SIDEWALKS DURING THE CONSTRUCTION OF THIS PROJECT, AND SHALL REPAIR SUCH DAMAGE TO THE SATISFACTION OF THE GOVERNING AGENCY, AT NO EXTRA COST TO THE OWNER.
8. ALL MATERIALS AND FINISHES SHALL BE AS PER DRAWINGS, DETAILS AND SPECIFICATIONS. SOME MATERIALS MAY REQUIRE SEVERAL WEEK ORDER LEAD TIME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ANY AND ALL ORDERING LEAD TIME. THE CONTRACTOR IS RESPONSIBLE FOR DELIVERING MATERIALS IN A TIMELY MANNER. NO UNAPPROVED SUBSTITUTIONS WILL BE ALLOWED. CONTACT BRECKON LAND DESIGN IMMEDIATELY IF A SPECIFIED MATERIAL IS NOT AVAILABLE.
9. ALL EXISTING CONDITIONS AND STRUCTURES, NOT SPECIFICALLY NOTED FOR REMOVAL, SHALL BE RETAINED AND PROTECTED. EXISTING CONDITIONS AND STRUCTURES THAT ARE DAMAGED DURING THE COURSE OF CONSTRUCTIONS SHALL BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
10. ALL CONTRACTORS WORKING WITHIN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO SECURE A RIGHT-OF-WAY CONSTRUCTION PERMIT, AT LEAST 12 HOURS PRIOR TO ANY CONSTRUCTION.
11. ALL CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE ISPSC AND THE GOVERNING AGENCY'S SPECIFICATIONS. NO EXCEPTIONS TO THESE STANDARDS WILL BE ALLOWED UNLESS SPECIFIED IN THE CONTRACT AND APPROVED BY THE GOVERNING AGENCY.
12. THE CONTRACTOR SHALL PERFORM ALL CLEARING AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK INDICATED ON THESE PLANS AND SPECIFICATIONS.
13. ALL WORK IS TO BE PERFORMED BY LICENSED CONTRACTORS AND EXPERIENCED WORKERS.
14. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS NECESSARY TO COMPLETE THE WORK UNLESS OTHERWISE NOTED.
15. CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES.
16. ALL WORK SHALL CONFORM TO THE GEOTECHNICAL ENGINEERING SPECIFICALLY PREPARED FOR THIS PROJECT. CONTACT THE ARCHITECT TO OBTAIN A COPY OF THE REPORT.
17. BRECKON LAND DESIGN, INC. DOES NOT AND CANNOT GUARANTEE THE ACCURACY OF WORK DONE BY OTHERS AND INCLUDES THIS INFORMATION FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE TO CONTACT THE OWNER'S REPRESENTATIVE TO REQUEST CLARIFICATION OF DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THIS PLAN AND INFORMATION SHOWN ELSEWHERE. IN THE EVENT THE CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT OFFICIAL CLARIFICATION FROM THE OWNER'S REPRESENTATIVE, HE SHALL BE LIABLE FOR THE COST OF CONCRETE WORK AND SHALL REPAIR OR RECONSTRUCT THE FAULTY WORK TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
18. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING, ERECTING AND MAINTAINING THE REQUIRED MATERIALS, EQUIPMENT AND MANPOWER NECESSARY FOR PUBLIC SAFETY AND TRAFFIC CONTROL WITHIN THE PROJECT LIMITS AND ON THE APPROACHES TO THE PROJECT.
19. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS BRECKON LAND DESIGN, INC. AND ALL OWNERSHIP, IT'S REAL AND ALLEGED CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
20. IF ANY ARCHAEOLOGICAL, CULTURAL OR HISTORICAL RESOURCES, OR ARTIFACTS OR OTHER FEATURES ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION ANYWHERE ON THE PROJECT SITE, WORK SHALL BE SUSPENDED IN THAT LOCATION UNTIL QUALIFIED PROFESSIONAL ARCHAEOLOGISTS DETERMINE THE SIGNIFICANCE OF THE DISCOVERY. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCOVERY IN CONSULTATION WITH THE ARCHAEOLOGIST AND THE GOVERNING AGENCY. APPROPRIATE MEASURES FOR PRESERVATION SHALL BE ESTABLISHED PRIOR TO THE COMMENCEMENT OF WORK.
21. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ON THESE PLANS ARE APPROXIMATE. REASONABLE EFFORTS HAVE BEEN MADE TO LOCATE AND DELINEATE ALL UNDERGROUND FACILITIES. HOWEVER, BRECKON LAND DESIGN, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING UTILITIES SHOWN HERE OR FOR THE EXISTENCE OF OTHER UNDERGROUND UTILITIES OR OBJECTS WHICH MAY BE DISCOVERED BUT ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES TO CONCRETE DUE TO FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
22. IN THE EVENT OF A DISCREPANCY, NOTIFY BRECKON LAND DESIGN IMMEDIATELY.

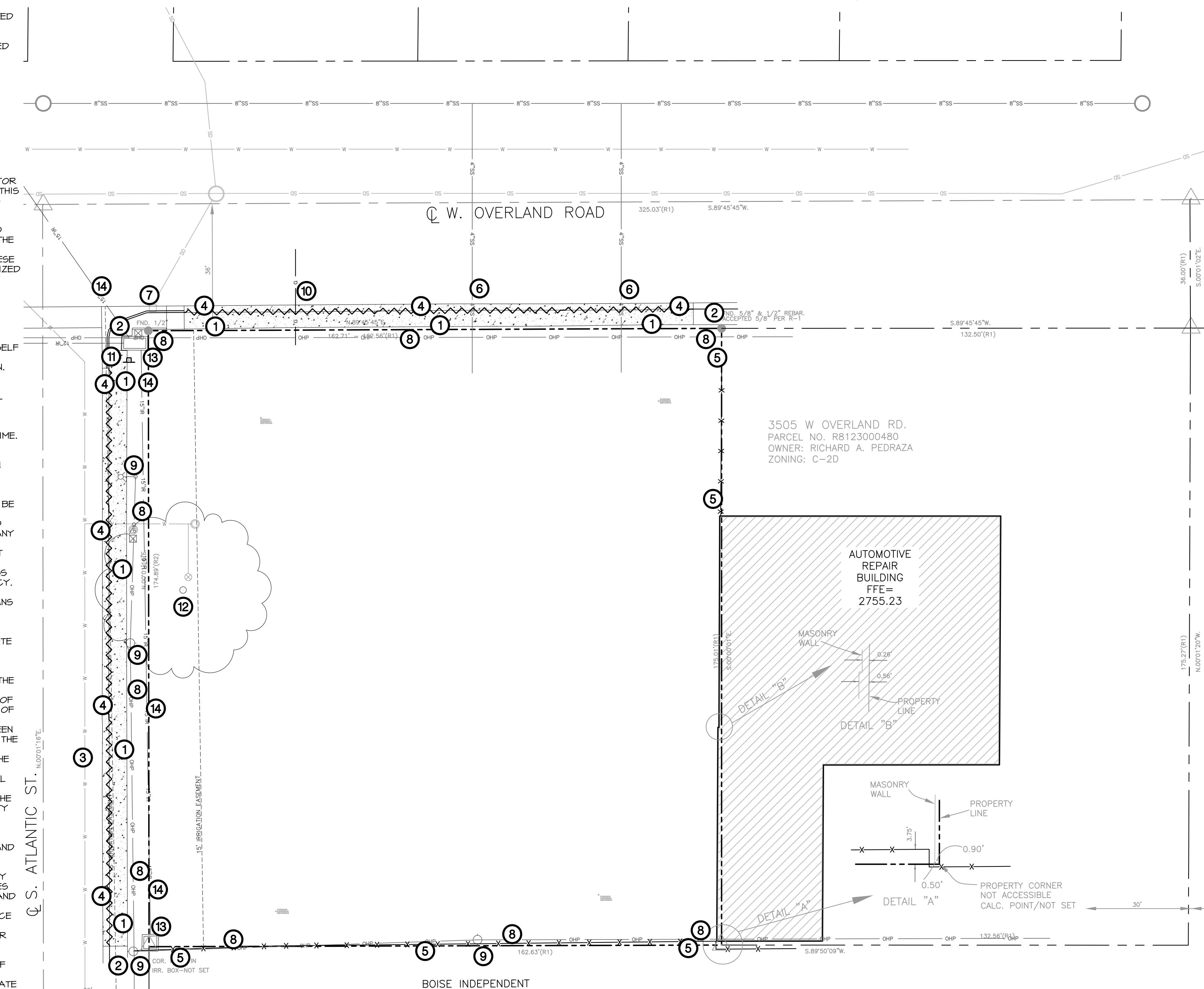


① DEMOLITION PLAN

SCALE: 1" = 20'-0"

NORTH

0' 10' 20' 40'



② DEMOLITION PLAN

SCALE: 1" = 20'-0"

NORTH

0' 10' 20' 40'



COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

STAMP:

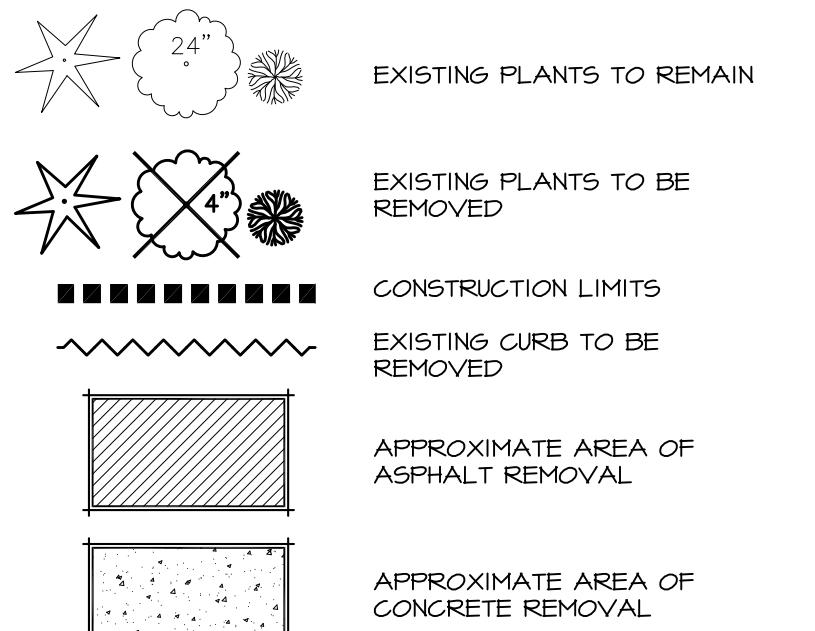


CONSULTANT:



Landscape Architecture www.breckonlanddesign.com
• Erosion & Sediment Control Fax 208-376-5928
• Geographic Info Systems Phone 208-376-5153
• Graphic Communication 181 East 50th Street
• Water Management Garden City, Idaho 83714
• Irrigation Design
• Land Planning

DEMOLITION LEGEND



PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

DEMOLITION NOTES

1. COORDINATE ALL DEMOLITION, GRADING, AND EARTHWORK OPERATIONS WITH MECHANICAL AND ELECTRICAL ENGINEERING SHEETS.
2. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
3. LIMITS OF WORK ARE IDENTIFIED ON PLANS.
4. IN THE EVENT OF A DISCREPANCY, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.

DEMOLITION CALLOUT LEGEND

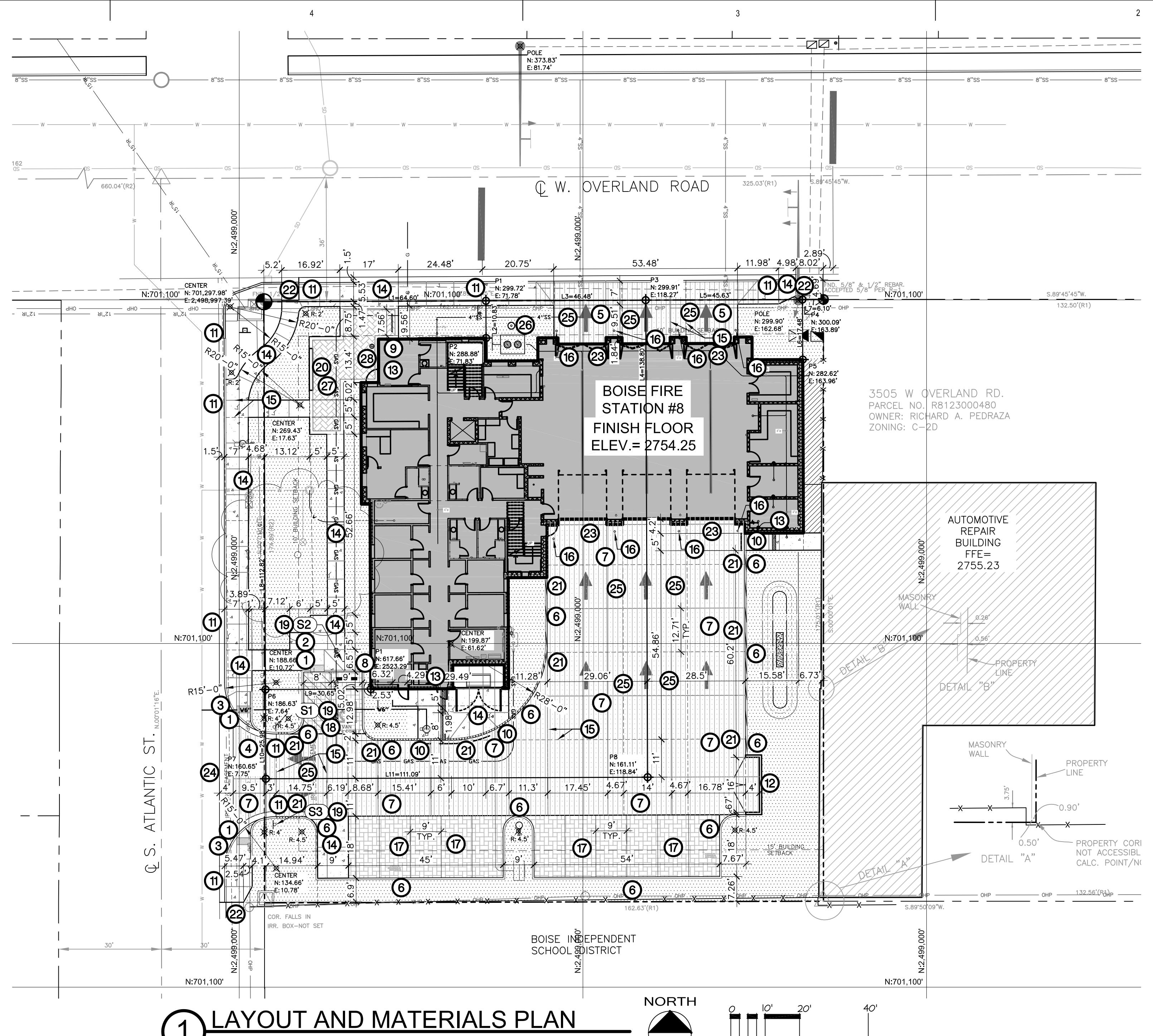
- ① SANCTUARY AND REMOVE EXISTING CONCRETE FLAT WORK AS INDICATED. COORDINATE WITH LAYOUT PLAN.
- ② SAVE AND PROTECT EXISTING CONCRETE FLAT WORK.
- ③ SANCTUARY AND REMOVE EXISTING ASPHALT.
- ④ SANCTUARY AND REMOVE EXISTING CONCRETE CURB.
- ⑤ SAVE AND PROTECT EXISTING CHAIN LINK FENCE.
- ⑥ SAVE AND PROTECT EXISTING SANITARY SEWER SERVICE.
- ⑦ SAVE AND PROTECT EXISTING STORM DRAIN INLET AND ASSOCIATED PIPING.
- ⑧ SAVE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD POWER LINES.
- ⑨ SAVE AND PROTECT EXISTING POWER POLE, LIGHT POLE AND GUY WIRES.
- ⑩ SAVE AND PROTECT EXISTING GAS LINE.
- ⑪ SAVE AND PROTECT EXISTING SIGN.
- ⑫ SAVE AND PROTECT EXISTING TREE AND TREE ROOTS. ALL EXCAVATION WITHIN THE DRIP LINE SHALL BE HAND DUG. SEE TREE PROTECTION NOTES FOR ADDITIONAL REQUIREMENTS.
- ⑬ SAVE AND PROTECT CONCRETE GRAVITY IRRIGATION BOX.
- ⑭ SAVE AND PROTECT EXISTING 15" IRRIGATION PIPE.

SHEET NAME:

DEMOLITION PLAN

SHEET NUMBER:

C1.20



LAYOUT AND MATERIALS PLAN

SCALE: 1" = 20'-0"



10

OUTSIDE EDGE OF STRIPING TO ALIGN WITH OUTSIDE EDGE OF RAMP FLARE, TYPICAL.

REFER TO PLANS

ASPHALT

CROSS WALK

SIDWALK

ADA RAMP

VARIES PER PLAN

18" 18" 18" 18"

ADA RAMP

1 CROSSWALK STRIPING

Scale: 3/16" = 1'-0"

NOTE:

1. REFER TO LAYOUT PLAN FOR EXACT LOCATIONS OF CROSSWALKS.
2. CROSS WALK STRIPING SHALL BE SOLID WHITE.
3. PAVEMENT MARKINGS SHALL BE PER I.S.P.W.C. SECTION 1104.

1 **CROSSWALK STRIPING**

Scale: 3/16" = 1'-0"

LAYOUT NOTES

- ESTABLISH SITE LAYOUT GRID FROM POINT OF BEGINNING (P.O.B.) AT THE FOUND 1/2" PIN LOCATED AT THE NORTHWEST PROPERTY CORNER WITH AN ASSUMED COORDINATE OF N: 701,299.45' E: 2,499,007.18' (VERIFY). ESTABLISH 2ND POINT AT THE FOUND 5/8" REBAR LOCATED AT THE NORTH EAST PROPERTY CORNER AT 162.81', N 89d 45' 51" E FROM THE P.O.B. WITH AN ASSUMED COORDINATE OF N: 701,300.12' E: 2,499,169.99' (VERIFY)

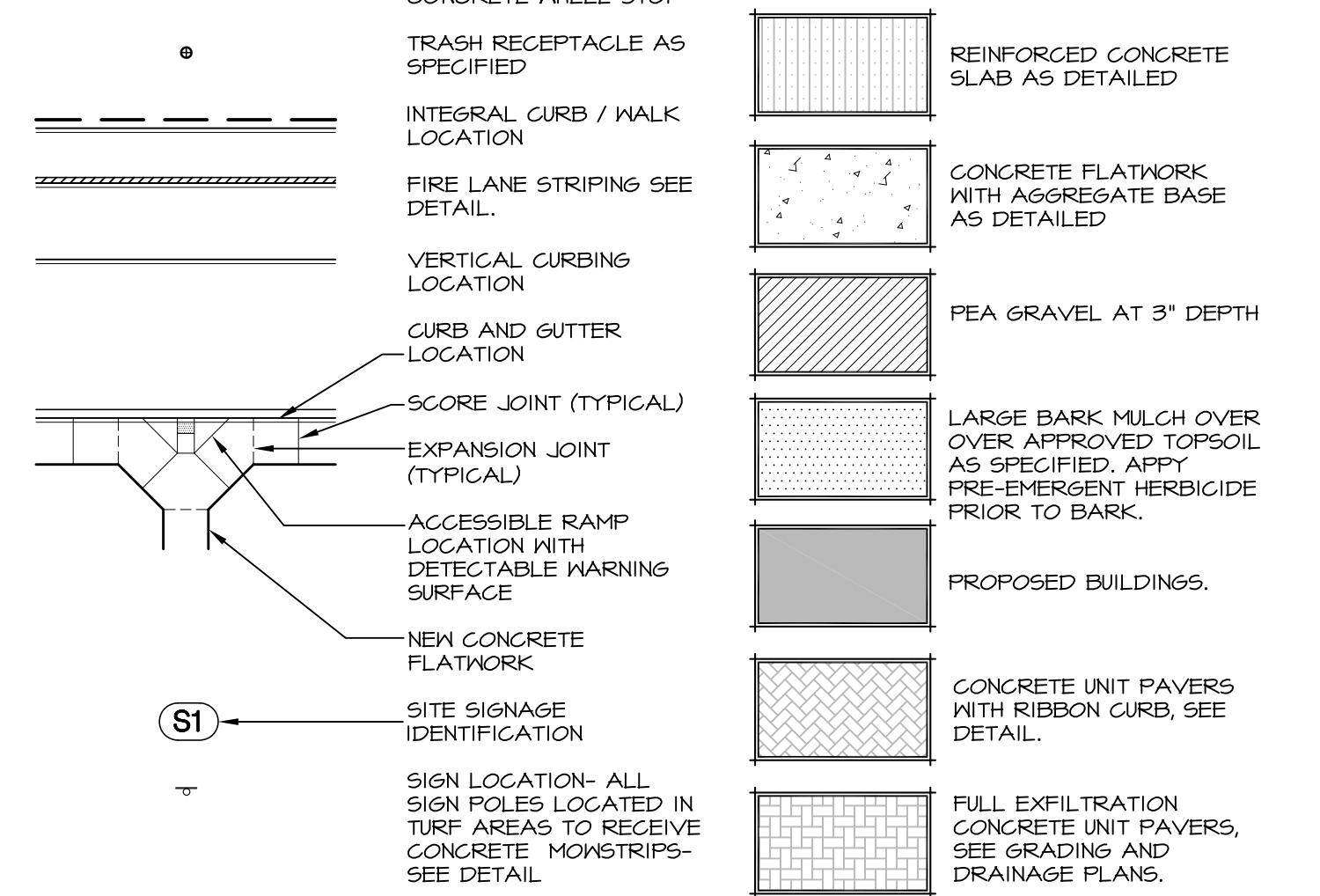
 2. ADD N: 701,000.00', E: 2,499,000.00' TO ALL COORDINATE POINTS SHOW IN DRAWING.
 3. REFER CLOSELY TO BUILDING LAYOUT DRAWINGS IN RELATION TO SITE LAYOUT ITEMS. CONTRACTOR TO VERIFY LISTED DIMENSIONS PRIOR TO CONSTRUCTION.
 4. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES ON SITE OR ADJACENT PROPERTY SHALL BE CONTRACTOR'S RESPONSIBILITY.
 5. COORDINATE INSTALLATION OF ELECTRICAL AND IRRIGATION CONDUIT AND SLEEVES WITH RESPECTIVE CONTRACTORS.
 6. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING. STAKING SHALL BE PERFORMED BY REGISTERED LAND SURVEYOR WITHIN THE STATE OF THE PROJECT.
 7. ALL ANGLES TO BE TURNED ARE 45D, 90D, OR 135D UNLESS OTHERWISE NOTED.
 8. ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF WALK, EDGE OF PAVEMENT, EDGE OF FOUNDATION, EDGE OF WALLS OR CENTER OF POST.
 9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS DISTANCES AND GRADES IN THE FIELD AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR A DECISION PRIOR TO COMMENCING WITH THE WORK.
 10. WHEREVER CONCRETE FLATWORK ABUTS BUILDINGS OR COLUMNS IT SHALL HAVE AN EXPANSION JOINT.
 11. PROVIDE JOINTS AS SHOWN ON PLANS. JOINTS ARE AN INTEGRAL PART OF THE DESIGN AND SHALL NOT VARY FROM PATTERNS AND LOCATIONS SHOWN. CONTRACTOR SHALL REMOVE ANY FLATWORK THAT DOES NOT CONFORM TO DESIGN.
 12. ALL WALKS AND FLATWORK SHALL BE ESTABLISHED IN THE FIELD FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL LAYOUT THE AREA OR FORM WORK FOR REVIEW BY THE LANDSCAPE ARCHITECT. AFTER REVIEW AND NECESSARY MODIFICATIONS AS DIRECTED BY THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL PROCEED WITH CONSTRUCTION. IF APPROVAL IS NOT OBTAINED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ANY UNAUTHORIZED FIELD ADJUSTMENTS.
 13. TRANSITION OF CURVES TO OTHER CURVES AND CURVES TO TANGENTS SHALL BE SMOOTH AND CONTINUOUS.
 14. LOCATION OF ALL SITE FURNISHINGS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 15. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
 16. SEE ELECTRICAL SHEETS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL LIGHT POLE BASES ADJACENT TO SIDEWALKS OR IN LAWN AREAS ARE TO RECEIVE CONCRETE APRON- SEE DETAIL.
 17. ALL ACCESSIBLE PARKING STALLS AND SIGNS SHALL CONFORM TO ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR ACCESSIBLE PARKING.
 18. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO NEW OR EXISTING IMPROVEMENTS INCLUDING LANDSCAPE AREAS AS A RESULT OF CONSTRUCTION ACTIVITIES.
 19. LAYOUT PROJECT AS DESIGNED. CONTRACTOR SHALL REMOVE WORK THAT DOES NOT CONFORM TO DRAWINGS AND SPECIFICATIONS.
 20. REFER TO MATERIALS AND SIGNAGE PLAN FOR FINISHED SITE MATERIALS, STRIPING, AND SIGNAGE INFORMATION. ALL SIGN POLES LOCATED IN LAWN AREAS ARE TO RECEIVE CONCRETE APRONS.
 21. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.

LAYOUT LEGEND

MATERIAL NOTES

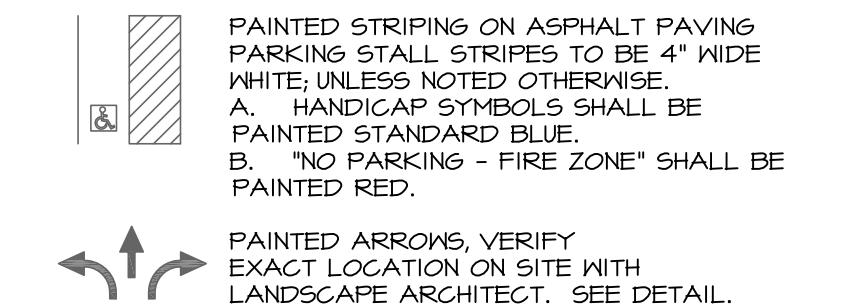
COLE ARCHITECTS

MATERIAL LEGEND

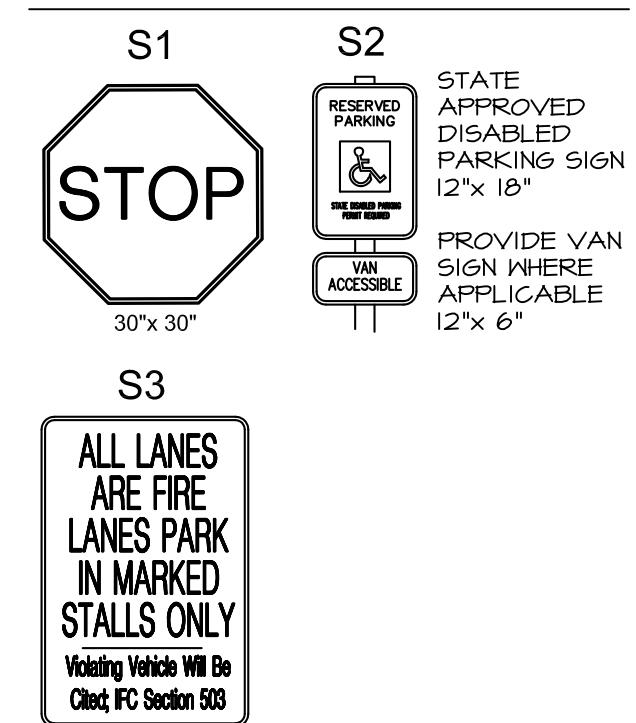


PAINTED STRIPING

ALL PAINT TO BE 100% ACRYLIC MARKING PAINT,
MEETING FEDERAL SPECIFICATIONS TTP 1952 TYPES 1
AND 2.
ALL SURFACES SCHEDULED TO RECEIVE PAINT FINISH:
REMOVE DIRT, LOOSE MORTAR, SCALE, SALT OR ALKALI
POWDER AND OTHER FOREIGN MATTER. REMOVE OIL
AND GREASE WITH A SOLUTION OF TRI-SODIUM
PHOSPHATE; RINSE WELL AND ALLOW TO DRY. REMOVE
STAINS CAUSED BY WEATHERING OF CORODING METALS
WITH A SOLUTION OF SODIUM METASILICATE AFTER
THOROUGHLY WETTING WITH WATER. ALLOW TO DRY.



SIGNAGE LEGEND



CALLOUT LEGEND

- 1 DETECTABLE WARNING, INSTALL PER MANUFACTURER'S RECOMMENDATIONS, SEE DETAIL 1/LI.35.
 - 2 TYPE ONE ADA RAMP SEE DETAIL 2/LI.35.
 - 3 TYPE TWO ADA RAMP SEE DETAIL 3/LI.35.
 - 4 DRIVEWAY APPROACH TYPE ONE, SEE DETAIL 4/LI.35
 - 5 DRIVEWAY APPROACH TYPE ONE, SEE DETAIL 12/LI.35
 - 6 6" CONCRETE VERTICAL CURB, SEE DETAIL 6/LI.36.
 - 7 REINFORCED CONCRETE FLATWORK, SEE DETAIL 9/LI.35.
 - 8 CONCRETE PARKING BUMPER, LOCATE 3'-0" FROM HEAD OF PARKING STALL, SEE DETAIL 5/LI.36.
 - 9 BIKE RACK, SEE DETAIL 1/LI.30.
 - 10 INTEGRAL CURB AND SIDEWALK, SEE DETAIL 4/LI.36.
 - 11 24" CURB AND GUTTER, SEE DETAIL 3/LI.36.
 - 12 TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
 - 13 CONCRETE FLATWORK AT BUILDING, SEE DETAIL 5/LI.35.
 - 14 CONCRETE FLATWORK, SEE DETAIL 6/LI.35.
(TYP.)
 - 15 CONCRETE JOINTS, SEE DETAIL 7/LI.35.
(TYP.)
 - 16 STEEL BOLLARD LOCATION, SEE DETAIL 7/LI.36.
 - 17 4" WIDE WHITE PARKING LOT STRIPING, SEE DETAIL 10/LI.36.
 - 18 ACCESSIBLE PARKING STALL LAYOUT, SEE DETAIL 11/LI.36.
 - 19 SIGN POST AND FOOTING, SEE DETAIL 14/LI.36, TYPICAL.
 - 20 CONCRETE SEAT WALL, SEE DETAIL 2/LI.36.
 - 21 FIRE LANE STRIPING, SEE DETAIL 9/LI.36.
 - 22 CONCRETE FLATWORK AT EXISTING CONCRETE. SEE DETAIL 8/LI.31.
 - 23 REINFORCED CONCRETE FLATWORK AT BUILDING. SEE DETAIL 8/LI.35.
 - 24 4'-0" CONCRETE VALLEY GUTTER. SEE DETAIL 11/LI.35.
 - 25 PAINTED ARROWS. SEE DETAIL 8/LI.36.
 - 26 FLAGPOLE AND FOOTING. SEE DETAIL 13/LI.36.
 - 27 UNIT PAVER WITH CONCRETE ACCENT STRIP. SEE DETAIL 1/LI.36.
 - 28 TRASH RECEPTACLE AS SPECIFIED.

PROJECT PHASE	Project Status
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	JB
DRAWN BY	BS, LP, TC

LAYOUT AND MATERIALS PLAN

SHEET NUMBER:

C1-30



Know where below.
Call before you dig.
Call 811
in advance before
you dig to have
excavators for
the location of
underground
member utilities.

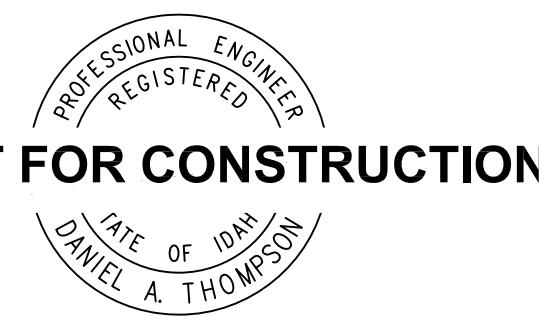
COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



TCA
architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

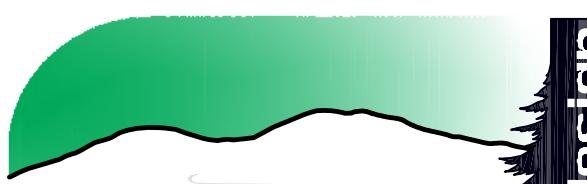
STAMP:



NOT FOR CONSTRUCTION

DANIEL A. THOMPSON
DATE OF 10/10/2016

CONSULTANT:



BRECKON
land design
• Landscape Architecture www.breckonlanddesign.com
• Erosion & Sediment Control Fax 208-376-6528
• Geographic Info Systems Phone: 208-376-5153
• Graphic Communication
• Water Management
• Irrigation Design
• Land Planning
181 East 50th Street
Garden City, Idaho 83714

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE Project Status

PROJECT NUMBER 15045

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN DT

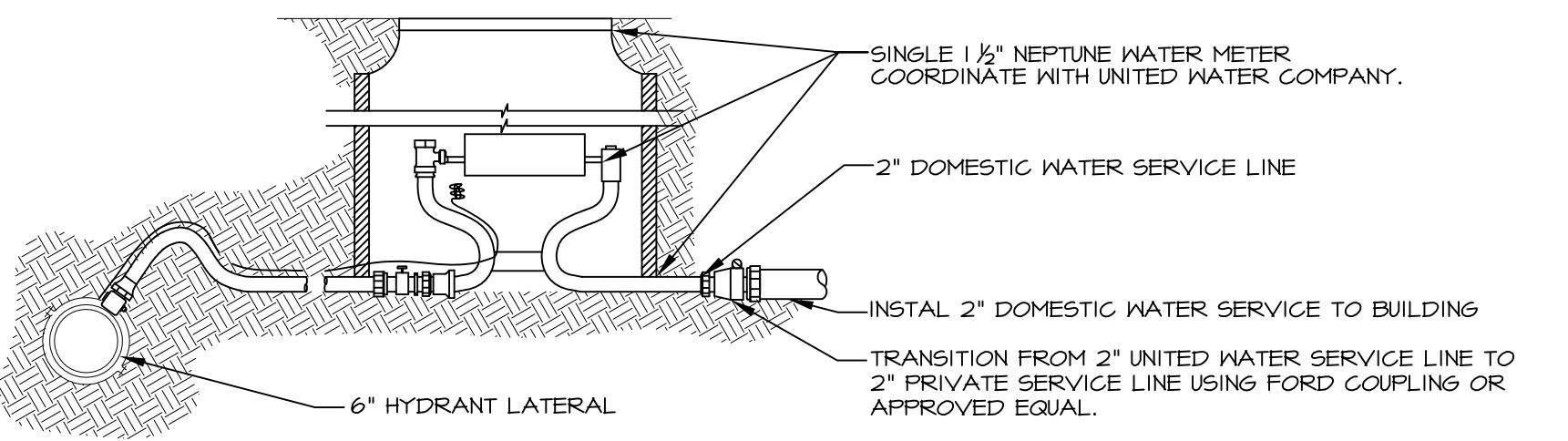
DRAWN BY BS, LP, TC

SHEET NAME:

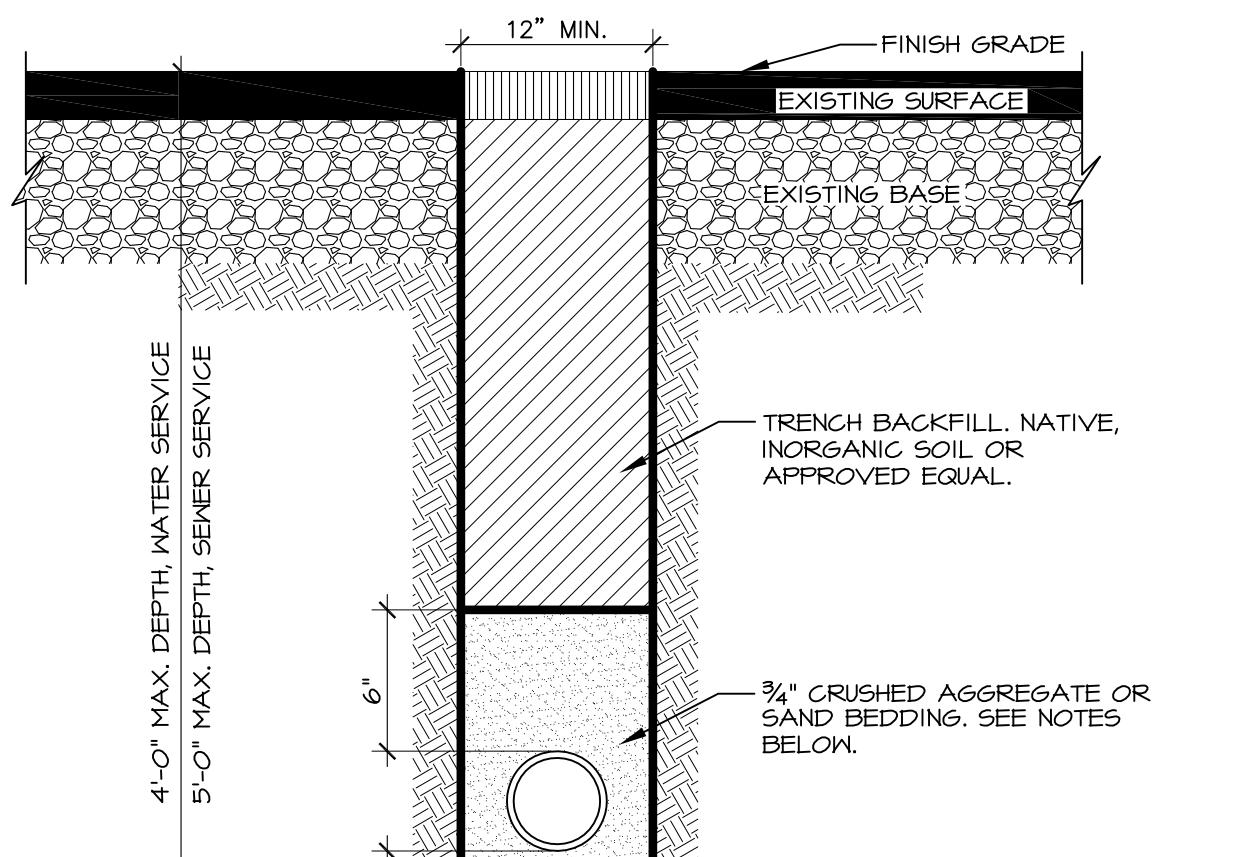
UTILITIES DETAILS

C1.45

1.29.16

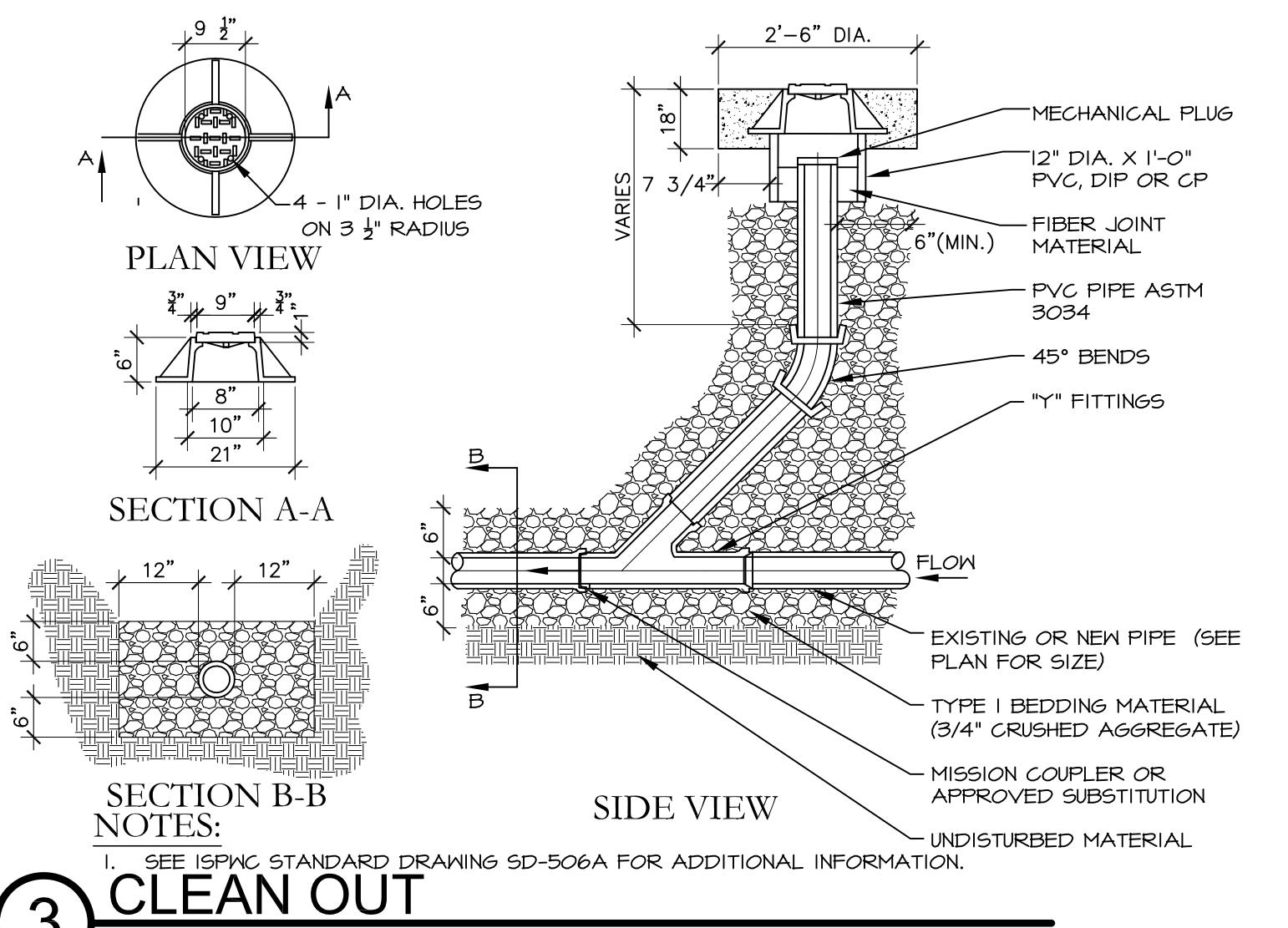


① DOMESTIC WATER SERVICE CONNECTION



NOTES:
1. BACKFILL SHALL BE COMPAKTED TO A MINIMUM OF 95% OF AASHTO T-99.
2. TRENCH SHALL CONFORM TO O.S.H.A. REQUIREMENTS.
3. FOUNDATION STABILIZATION IS REQUIRED WHERE BOTTOM OF TRENCH IS SOFT OR UNSTABLE.
4. 3/4" CRUSHED AGGREGATE SHALL MEET THE FOLLOWING GRADATION:
4.1. 100% PASSING THE 1" SIEVE SIZE
4.2. 20% - 100% PASSING THE 3/4" SIEVE SIZE
4.3. 20% - 100% PASSING THE 3/8" SIEVE SIZE
4.4. 20% PASSING THE 1/2" SIEVE SIZE
4.5. 0% - 3% PASSING THE NO. 200 SIEVE SIZE
5. SAND BEDDING SHALL HAVE 100% PASSING THE NO. 4 SIEVE SIZE AND LESS THAN 3% PASSING THE NO. 200 SIEVE.

② PRIVATE SERVICE LINE TRENCH SECTION

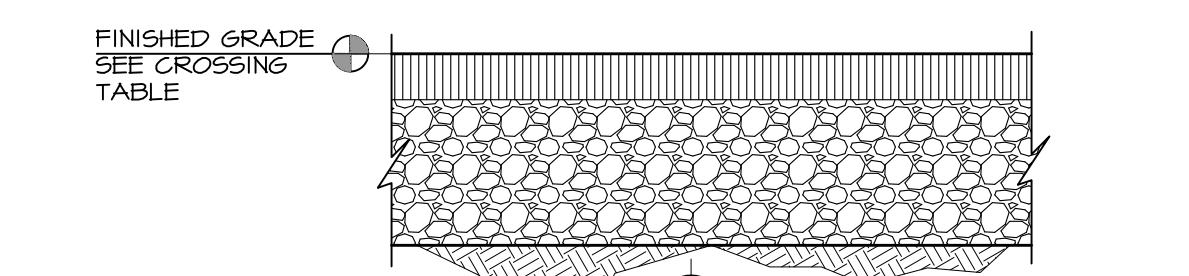


③ CLEAN OUT

N.T.S.

1.

SEE ISPNC STANDARD DRAWING SD-506A FOR ADDITIONAL INFORMATION.



CROSSING TABLE

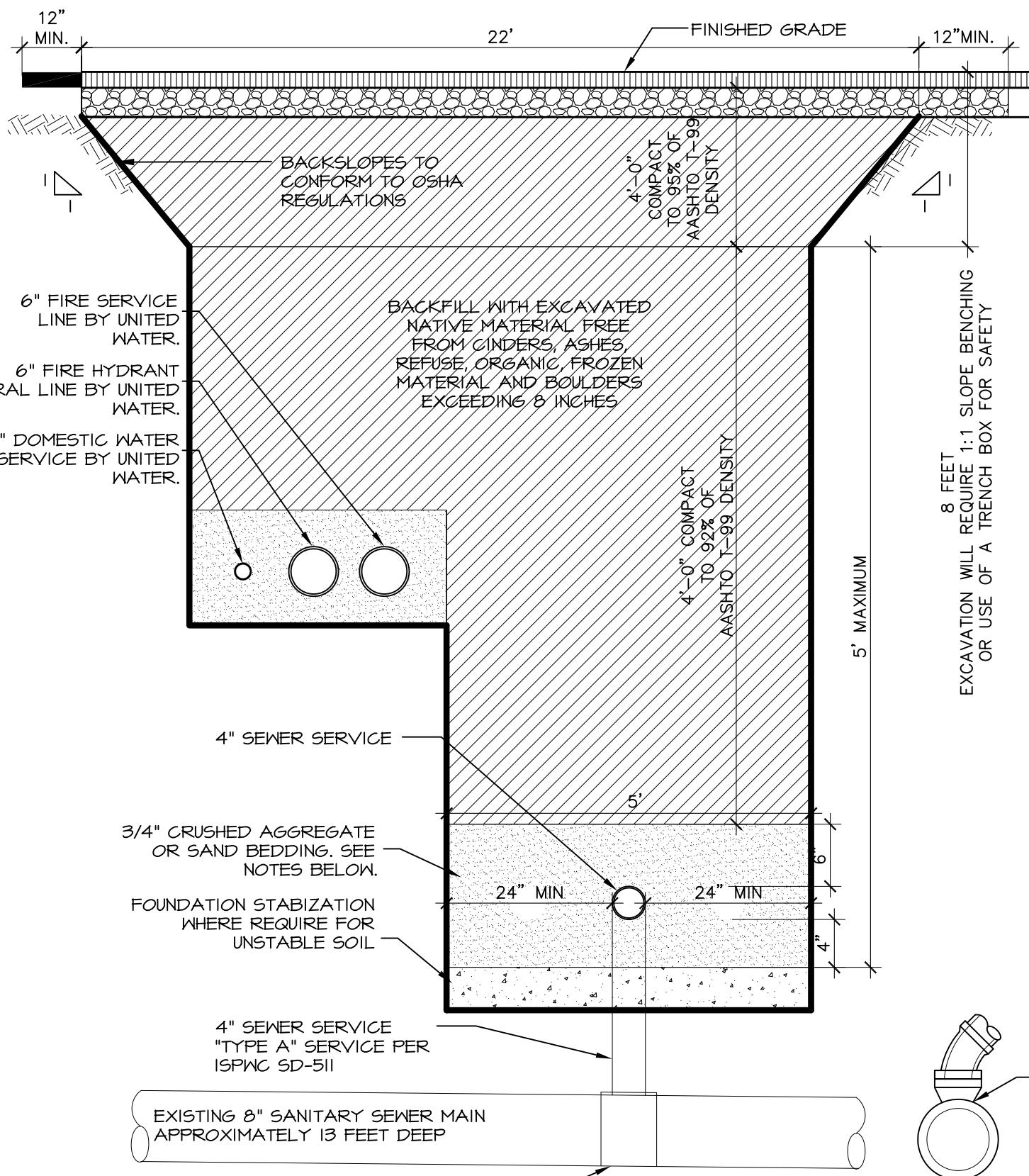
KEYNOTE NO.	FINISHED GRADE	POTABLE INV.	NON-POT. INV.
13	43.85	38.85	35.53
14	43.81	34.31	36.01
15	43.50	34.00	36.50

NOTES:

- IF NON-POTABLE WATER LINE MUST BE INSTALLED WITHIN 18" OF POTABLE WATER LINE, THEN ON FULL UNCUT LENGTH OF NON-POTABLE PIPE MUST BE CENTERED ON THE CROSSING AND THE NON-POTABLE LINE MUST BE SLEEVED WITH A LARGER DIAMETER PIPE FOR 10' BEYOND BOTH SIDES OF THE CROSSING.

④ POTABLE LINE SEPARATION

NOT TO SCALE



⑤ PUBLIC TRENCH SECTION

NOT TO SCALE

5.

EXCAVATION WILL REQUIRE 1:1 SLOPE BENCHING OR USE OF A TRENCH BOX FOR SAFETY

CONSTRUCTION NOTES

- A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR REQUIREMENTS OF THE CITY PUBLIC WORKS DEPARTMENT, AND/OR THE COUNTY HIGHWAY DISTRICT.
- B. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BASIC SAFETY DECISIONS AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
- C. ALL WORK AND MATERIALS SHALL CONFORM TO THE 2010 EDITION OF THE ISPM-C, AND THE APPROPRIATE LOCAL AGENCIES.
- D. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE PERMITS FROM ALL GOVERNMENT/LOCAL AGENCIES PRIOR TO STARTING CONSTRUCTION.
- E. ALL CONTRACTORS SHALL FOLLOW THE CONTRACTOR'S 2010 EDITION OF THE ISPM-C, AND THE ADA COUNTY HIGHWAY DISTRICT SUPPLEMENTAL SPECIFICATIONS. NO EXCEPTIONS TO SPECIFICATIONS OR THE ISPM-C WILL BE ALLOWED UNLESS SPECIFICALLY AND PREVIOUSLY APPROVED WRITING BY THE ENFORCING AGENCY.
- F. ALL CONTRACTORS WORKING WITHIN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO SECURE A RIGHT-OF-WAY CONSTRUCTION PERMIT FROM A.C.H.D. AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION.
- G. ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL.
- H. THE CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EXCAVATION. 1-800-342-1585.
- I. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY AND ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- J. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND IMPROVEMENTS. ANY DAMAGE TO EXISTING FACILITIES OR IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- K. IF THE OWNER/CONTRACTOR ELECTS TO IMPORT FILL MATERIALS, WASTE SOIL SHALL BE HAULED TO AN OFFSITE DISPOSAL SITE FURNISHED BY THE CONTRACTOR.
- L. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING, STAKING SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR WITHIN THE STATE OF IDAHO.
- M. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR THE FOLLOWING PRIOR TO CONSTRUCTION.
- A. 6" MINUS UNCRUSHED AGGREGATE BASE COURSE FOR PAVEMENT SECTION.
 - B. 3/4" MINUS CRUSHED AGGREGATE BASE COURSE FOR PAVEMENT SECTION.
 - C. ASPHALT PAVEMENT MIX DESIGN FOR PAVEMENT SECTION.
 - D. CEMENT PAVEMENT MIX DESIGN FOR PAVEMENT SECTION.
 - E. CATCH BASIN INLET DESIGN.
 - F. STORM DRAIN PIPING.
 - G. FILTER FABRIC.
 - H. 2" WASHED DRAIN ROCK AND ASTA C-33 FILTER SAND USED IN SEEPAGE BED.
 - I. SUBGRADE COMPACTION TEST PROCEDURE.
 - J. BASE COMPACTION TEST PROCEDURE.
- N. PROVIDE SUBGRADE AND BASE COURSE COMPACTION TEST RESULTS (DURING CONSTRUCTION) TO BRECKON LAND DESIGN. COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D557, 95%.
- O. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS, OPERATIONS OF THE OWNER, AND LOCAL AGENCIES.
- P. MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE. CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE REQUIREMENTS OF STORM DRAIN NOTE #2 AT THE REQUEST OF THE APPROVING AGENCY AND/OR THE DESIGNER.
- Q. THE CONTRACTOR SHALL DETERMINE THE WORK SUBJECT TO APPROVAL BY ANY POLITICAL SUBDIVISION OR AGENCY MUST BE APPROVED PRIOR TO:
- A. BACKFILLING TRENCHES FOR PIPE;
 - B. PLACING OF AGGREGATE BASE;
 - C. PLACING OF CONCRETE;
 - D. PLACING OF ASPHALT PAVING.
- WORK DONE WITHOUT SUCH APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER.
- R. ONLY PLAN SETS STAMPED "APPROVED FOR CONSTRUCTION" AND SIGNED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL BE USED BY THE PROJECT CONTRACTOR(S). USE OF ANY PLANS ON THE JOB WITHOUT THE "APPROVED FOR CONSTRUCTION" STAMP SHALL BE GROUNDS FOR THE ISSUANCE OF A STOP WORK ORDER.
- S. THE CONTRACTOR SHALL MAINTAIN THE SITE AT ALL TIMES, A COPY OF THE APPROVED CONSTRUCTION PLANS ON WHICH IS RECORDED THE ACTUAL LOCATIONS OF THE PROPOSED IMPROVEMENTS AND ANY OTHER UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PROVIDE THESE LOCATIONS TO THE DESIGNER FOR USE IN THE PRODUCTION OF RECORD DRAWINGS PRIOR TO FINAL APPROVAL OF THE IMPROVEMENTS.
- T. THE DESIGN PROFESSIONAL SHALL SUBMIT RECORD DRAWINGS TO THE PUBLIC WORKS DEPARTMENT AS PRESCRIBED BEFORE FINAL APPROVAL IS GIVEN TO THE PROJECT.

TOPSOIL NOTES

1. TOPSOIL REQUIREMENTS: ASTM D 5268, PH RANGE OF 5.5 TO 7, FOUR PERCENT ORGANIC MATERIAL, MINIMUM, FREE OF STONES 1/2 INCH OR LARGER IN ANY DIMENSION, AND OTHER EXTRANEous MATERIALS HARMFUL TO PLANT GROWTH.
2. TOPSOIL SOURCE: STRIP EXISTING TOPSOIL FROM ALL AREAS OF THE SITE TO BE DISTURBED. TOPSOIL SHALL BE FERTILE, FRIMBLE, NATURAL LOAM, SURFACE SOIL REASONABLY FREE OF SEDIMENT, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, ORGANIC MATTER, LARGER THAN ONE INCH IN ANY DIMENSION, AND OTHER EXTRANEous OR TOXIC MATTER HARMFUL TO PLANT GROWTH. TOPSOIL SHALL BE SCREENED TO ACHIEVE THIS REQUIREMENT.
3. REPRESENTATIVE SAMPLES SHALL BE TESTED FOR ACIDITY, FERTILITY AND GENERAL TEXTURE BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY AND COPIES OF THE TESTING AGENCY'S FINDINGS AND RECOMMENDATIONS SHALL BE FURNISHED TO THE ARCHITECT'S REPRESENTATIVE BY THE CONTRACTOR. ALL TOPSOIL SHALL BE TESTED TO ACHIEVE DESIRED PH AND ORGANIC REQUIREMENTS. RE-TEST TOPSOIL PRIOR TO FINAL COMPLETION TO ENSURE REQUIREMENTS HAVE BEEN MET. NO TOPSOIL SHALL BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION.
4. PLACE TOPSOIL IN AREAS WHERE REQUIRED TO OBTAIN THICKNESS AS SCHEDULED. PLACE TOPSOIL DURING DRY WEATHER. PROVIDE ADDITIONAL IMPORTED TOPSOIL REQUIRED TO BRING SURFACE PROPOSED FINISH GRADE AS DESIRED.
5. COMPACTED TOPSOIL THICKNESS AT THE FOLLOWING AREAS:
- A. LAWN AREAS: 4 INCHES MINIMUM OR AS NECESSARY TO ACHIEVE EVEN GRADES WITHIN SURROUNDING LAWN AREAS.
 - B. PLANTER BEDS: 18 INCHES MINIMUM.
 - C. FINE GRADE TOPSOIL TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY SIZED, DUST-FREE, REMOVED ROOTS, AND NO DEPRESSIONS, AS REQUIRED TO MEET FINISH GRADES. HIGH GRADE OF TOPSOIL SHALL BE 2' BELOW FINISH GRADE OF PAVEMENT AREAS FOR SOD AND 1" FOR SEED.
6. TOPSOIL STOCKPILE LOCATIONS TO BE COVERED COORDINATE WITH EROSION AND SEDIMENT CONTROL PLAN.
7. ALL GRAVEL, SUBBASE, AND OTHER IMPORTED FILL MATERIALS OTHER THAN TOPSOIL SHALL ONLY BE STOCKPILED IN PROPOSED PAVING AREAS. NO GRAVEL, ROCK, MATERIALS WHICH BELOCKED OR TEMPORARILY PLACED IN PROPOSED LANDSCAPE AREAS TO PREVENT LANDSCAPE AREAS FROM BEING CONTAMINATED WITH ROCK MATERIALS. CONTRACTOR SHALL SUBMIT A DETAILED STOCKPILE PLAN TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO ANY EARTHWORK OPERATIONS.

GRADING NOTES

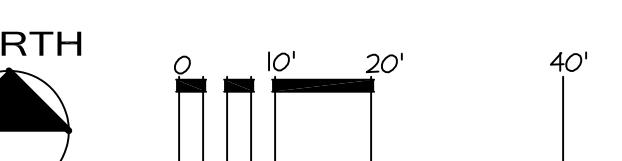
1. BASIS OF BEARING (NAVD 88). THE REFERENCE BENCHMARK FOR THIS SURVEY IS THE CORS NETWORK. POSITIONS WERE COMPUTED USING THE FOLLOWING CORS STATIONS:
- CONFIRMATION OF ON-SITE BENCHMARKS: ANY BENCHMARK OR CONTROL POINT MUST BE CHECKED WITH A SECOND ON-SITE BENCHMARK/CONTROL POINT PRIOR TO USE.
2. BENCHMARK / VERIFY WITH EXISTING CONDITIONS, VERTICAL DATUM.
3. CONTOUR INTERVAL EQUALS ONE FOOT (1'-0").
4. ADD 2' TO ALL SPOT ELEVATIONS.
5. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS NOTED ON THIS PLAN AND NOTIFY THE DESIGN PROFESSIONAL WHEN ELEVATIONS DO NOT MATCH PLANS.
6. ALL DITCHES LOCATED BEHIND STRUCTURES OR UNDER PAVEMENT AREAS, SHALL BE RE-EXCAVATED, BACKFILLED AND COMPACTED WITH APPROVED STRUCTURAL FILL, AS SPECIFIED.
7. COORDINATE ALL EARTHWORK OPERATIONS WITH MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
8. GRADE SHOWN IS FINISH GRADE.
9. ALL GRADES ARE SMOOTH, WELL SMOOTH AND UNIFORM.
10. PROVIDE POSITIVE DRAINAGE TO AWAY FROM BUILDING.
11. PROVIDE POSITIVE DRAINAGE TO DRAINAGE STRUCTURES, CURB CUTS, DRAINAGE SWALES, AND DRAIN INLETS.
12. ALL SLOPES SHALL BE GRADED AS NOTED PER PLAN.
13. ALL SLOPES SHALL BE GRADED TO A MAXIMUM OF 5:1 UNLESS OTHERWISE NOTED.
14. CONTOURS ARE TO CONVEY GENERAL GRADING CONCEPT.
15. ALL CONCRETE SIDEWALKS SHALL HAVE A MINIMUM OF ONE PERCENT (1%) CROSS SLOPE UNLESS OTHERWISE NOTED.
16. THE BOTTOM BASIN LEVEL OF ALL DRAINAGE SWALES SHALL BE FLAT AND SMOOTH UNLESS NOTED OTHERWISE.
17. ALL DRAINS ARE APPROVED BY THE DESIGN PROFESSIONAL AND THE APPROVING AGENCIES.
18. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
19. REFER TO SUMMARY PLAN FOR SITE WORK PHASING, ALTERNATES, AND COORDINATION WITH WORK BY OTHERS.
20. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL.

STORM DRAIN NOTES

1. PROVIDE METALLIC LINED PLASTIC UNDERGROUND WARNING TAPE AT ALL PIPE LOCATIONS.
2. ALL POTABLE/NON-POTABLE WATER PIPING RELATIONSHIPS MUST COMPLY WITH CITY OF BOISE, ISPM-C, AND IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS. THE HORIZONTAL SEPARATION OF NON-POTABLE SERVICES AND POTABLE WATER LINES, OR SEPARATION OF WATER MAINS SHALL BE A MINIMUM OF SIX (6) FEET. WHERE IT IS NECESSARY, FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 450.02 OF THE PLASTERMASTER RULES (IDAPA 58.01.16). ALL CROSSINGS MUST BE APPROVED BY A REPRESENTATIVE OF BRECKON LAND DESIGN.
3. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES DURING THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
4. ALL DRAINS AND PIPE JOINTS SHALL MEET AASHTO M-244, TYPE 6 PIPE REQUIREMENTS.
5. EXCAVATE SEEPAGE BEDS A MIN. OF 12" INTO FREE DRAINING MATERIAL.
6. DRAIN ROCK SHALL BE 15"-2" CLEAN ANGULAR WASHED DRAIN ROCK.
7. THE SIZE OF THE DRAINAGE AREA SHALL BE ENLARGED IF GROUND WATER IS ENCOUNTERED ABOVE THE BOTTOM OF THE DRAINAGE BED. IF THIS SITUATION OCCURS, CONTACT THE DESIGN PROFESSIONAL IMMEDIATELY FOR NEW SEEPAGE BED SIZING.
8. ALL DRAINAGE FACILITIES MUST BE INSPECTED BY BRECKON LAND DESIGN 24 HOURS NOTICE REQUIRED.
9. ALL DRAINAGE FACILITIES MUST BE INSPECTED BY THE CITY 48 HOURS NOTICE IS REQUIRED, PRIOR TO PLACEMENT OF FILTER FABRIC.
10. PROVIDE POSITIVE DRAINAGE (MINIMUM ONE PERCENT) FROM ALL RAINWATER LEADERS TO DRAINAGE STRUCTURES AND ENSURE EIGHTEEN INCHES (18") OF COVER OVER ALL RAINWATER LEADERS TO ENSURE ADEQUATE PROTECTION.
11. CONTRACTOR SHALL COORDINATE CONNECTION OF ROOF DRAINS WITH MECHANICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS. ROOF DRAINS EXTEND FIVE FEET (5'-0") OUTSIDE THE BUILDING. CONNECT CLEANOUT STORM DRAIN AT THIS POINT.
12. LOCATE SUBSURFACE STORM WATER DISPOSAL FACILITIES AT LEAST 25 FEET FROM WATER MAINS. THIS REQUIREMENT DOES NOT APPLY TO CATCH BASINS OR SAND AND GREASE VENTS.
13. SEEPAGE BED MUST BE FIVE FEET (5'-0") BACK FROM PROPERTY LINE AND NO GRADING SHALL BE PERMITTED WITHIN TWO FEET (2'-0") OF THE PROPERTY LINE.
14. ALL DRAINAGE FACILITIES MUST BE INSPECTED BY THE CITY OF BOISE PUBLIC WORKS. 24 HOURS NOTICE REQUIRED.

1 GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'-0"



GRADING LEGEND

1040'	PROPOSED CONTOUR
1050'	EXISTING CONTOUR
X 1050.24	EXISTING SPOT ELEVATION
	TOPSOIL STOCK PILE AREA
	GRADE BREAK
	GRADE BREAK LINE
	SPOT ELEVATION
	FLOW DIRECTION AND GRADIENT
	BOTTOM OF SWALE
	EXTENTS OF SWALE BASIN
	EXTENTS OF SEEPAGE BED
	INTEGRAL CURB/WALK LOCATION
	VERTICAL CURB LOCATION
	CURB AND GUTTER LOCATION
	SCORE JOINT (TYPICAL)
	EXPANSION JOINT (TYPICAL)
	ACCESSIBLE RAMP LOCATION WITH DETECTABLE WARNING SURFACE
	NEW CONCRETE FLATWORK
	CONCRETE VALLEY GUTTER AS DETAILED
B.O.S.	BOTTOM OF SWALE ELEVATION
TC/LG	TOP OF CURB/GUTTER
TR/BR	TOP OF RAMP/BOTTOM OF RAMP
TW/BW	TOP OF WALL/BOTTOM OF WALL
FFE	FINISHED FLOOR ELEVATION
RE	RIM ELEVATION
IE	INVERT ELEVATION
ME	MATCH EXISTING ELEVATION
FG	FINISH GRADE ELEVATION
TA	TOP OF ASPHALT ELEVATION
TOC	TOP OF CONCRETE ELEVATION
HP	HIGH POINT OF FINISH GRADE
LP	LOW POINT OF FINISH GRADE
TC/BC	TOP OF CURB/BOTTOM OF CURB
CO	CLEANOUT LOCATION
RWL	NEW RAINWATER LEADER
SB	SPASH BLOCK AS SPECIFIED
DO	CURB CUT/DRAINAGE OUTLET
	PIPE OUTFALL AS DETAILED
	UNDER WALK DRAIN AS DETAILED
	TRENCH DRAIN, SEE DETAIL.
BM	BENCHMARK
	APPROXIMATE SOIL TESTING LOCATION (VERIFY EXACT LOCATION) - SEE GEOTECHNICAL ENGINEERING REPORT

CALLOUT LEGEND

- PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AND EXISTING GRADES.
- SLOPE ALL SURFACES ADJACENT TO DOORWAYS A MAXIMUM OF 2.0% AND NO LESS THAN 1% FOR A MINIMUM DISTANCE OF 5 FEET FROM BUILDING TO COMPLY WITH ADA REGULATIONS.
- PROVIDE 6" DEEP DITCH TO DIRECT WATER AS SHOWN. ALL STORM WATER SHALL REMAIN ON SITE.
- PERMEABLE PAVERS, SEE DETAIL.
- UNDER WALK DRAIN, SEE DETAIL.
- ADJUST UTILITY RIM ELEVATION AS REQUIRED TO BE FLUSH WITH NEW FINISH GRADE ELEVATIONS.



COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



NOT FOR CONSTRUCTION
STATE OF IDAHO
LANDSCAPE ARCHITECTURE
CONSULTANT:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705
REVISIONS:
MARK DATE DESCRIPTION

PROJECT PHASE	Project Status
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	JB
DRAWN BY	BS, LP, TC
SHEET NAME:	
SHEET NUMBER:	

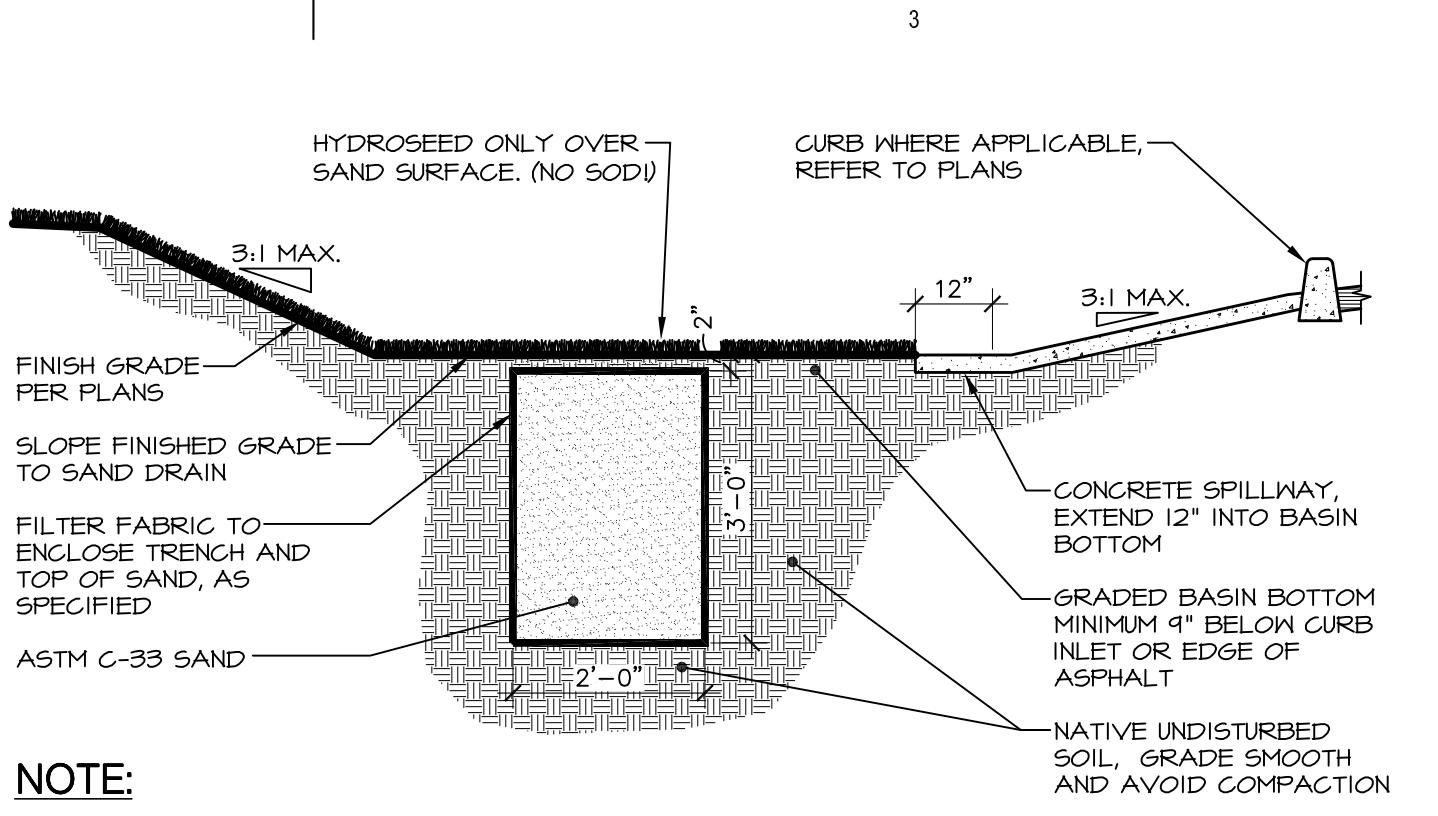
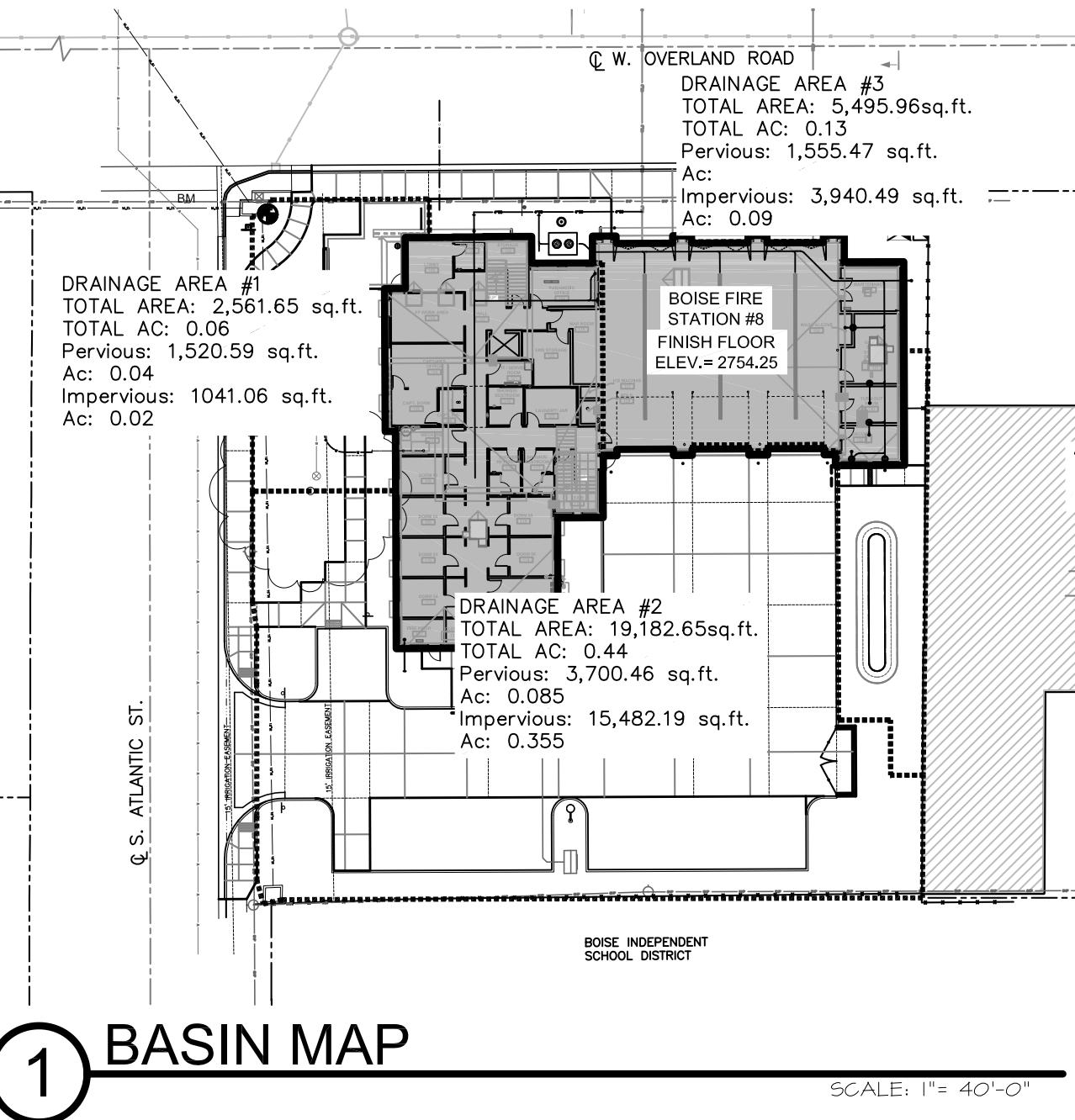
GRADING AND DRAINAGE PLAN

C1.50

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCATION OF EXISTING UTILITIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION. PROVIDE A DETAILED LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

CAUTION NOTICE

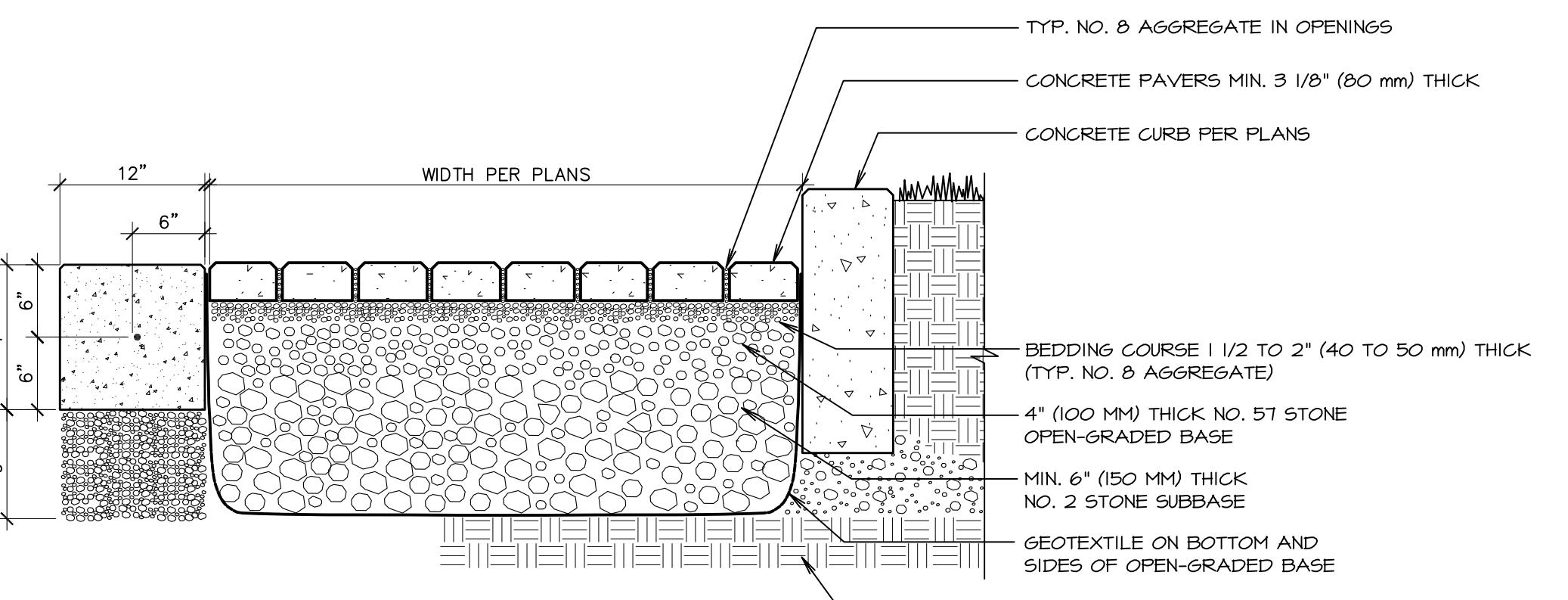
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCATION OF EXISTING UTILITIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION. PROVIDE A DETAILED LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

**NOTE:**

1. THE USE OF SILTY LOAM OR CLAY IS PROHIBITED FROM USE AS BASIN BOTTOM MATERIAL.
2. DO NOT COMPACT BASIN AREA WITH HEAVY EQUIPMENT. IF COMPACTION OCCURS, RIP TO 12" AND REGRADE, SEE DETAIL.
3. NATIVE UNDISTURBED SOIL IS USED AS A SEDIMENT BASIN. REMOVE SILT, REGRADE TO SPECIFIED TOLERANCES.
4. REFER TO SPECIFICATIONS FOR SWALE PERCOLATION TESTING REQUIREMENTS.
5. CONTRACTOR SHALL EXCAVATE A TEST PIT AT SWALE LOCATION TO CONFIRM THE DEPTH TO FREE DRAINING SOILS AND GROUNDWATER IN THE PRESENCE OF THE LANDSCAPE ARCHITECT.
6. GEOTEXTILE FILTER FABRIC OF PP OR POLYESTER FIBERS OR COMBINATION OF BOTH, WITH FLOW RATE RANGE FROM 10 TO 330 GPM/SQ. FT. WHEN TESTED ACCORDING TO ASTM D4491.

1 DRAINAGE SWALE

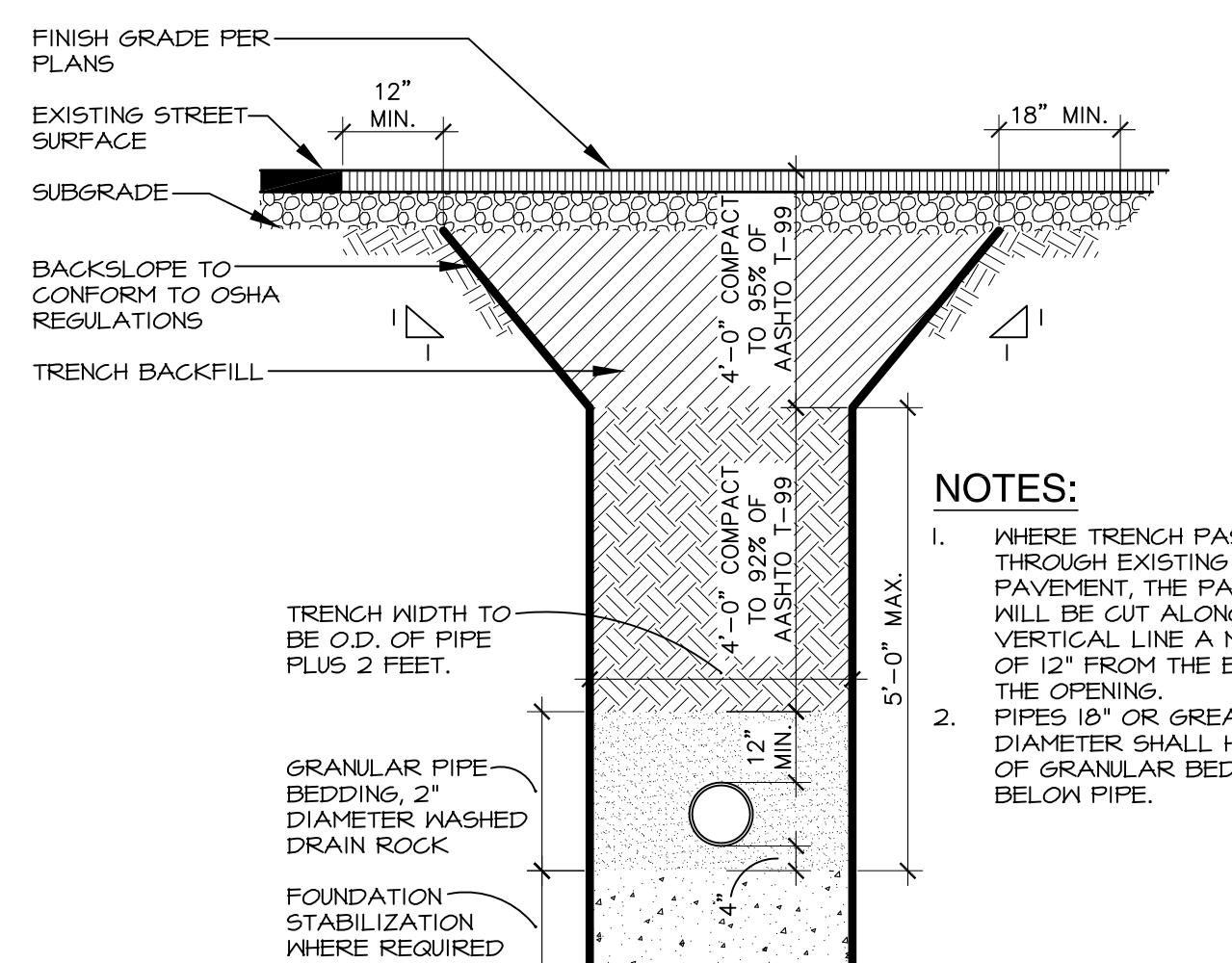
Scale: 1/2" = 1'-0"

**NOTES:**

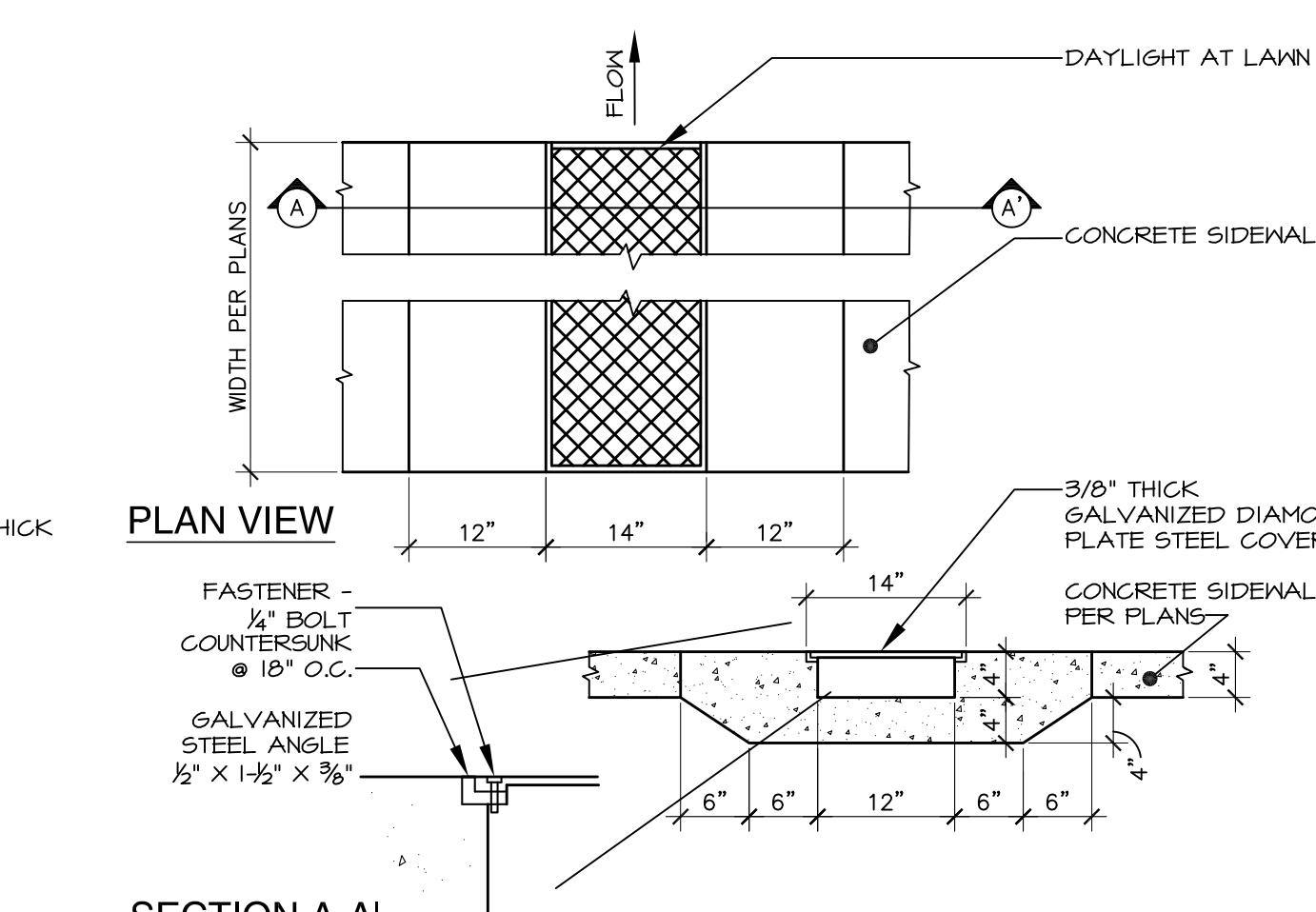
1. 2 3/8" (60 mm) THICK PAVERS MAY BE USED IN PEDESTRIAN APPLICATIONS.
2. NO. 2 STONE SUBBASE THICKNESS VARIES WITH DESIGN. CONSULT ICPI PERMEABLE INTERLOCKING CONCRETE PAVEMENT MANUAL.

2 PERMEABLE PAVEMENT WITH FULL EXFILTRATION

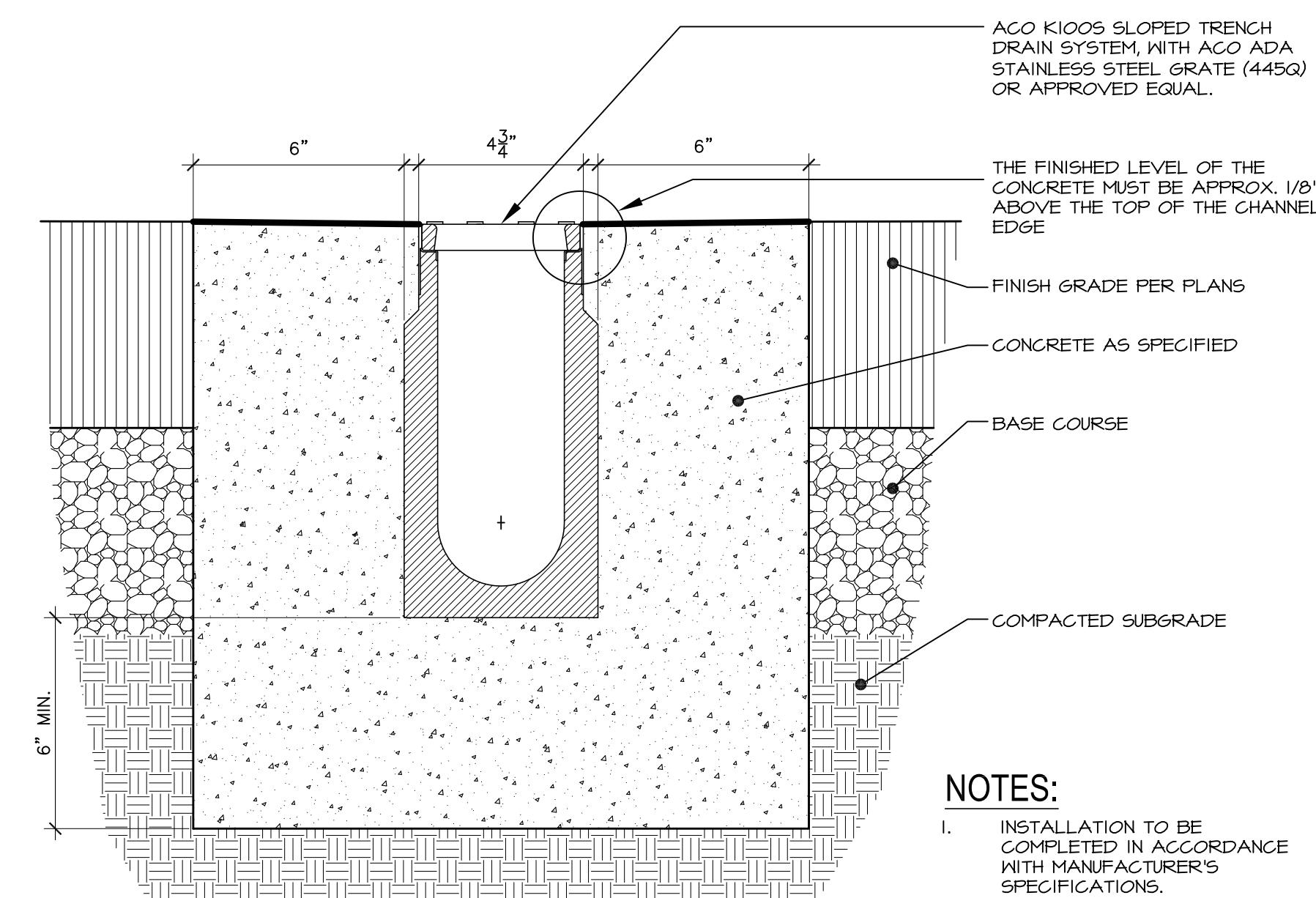
NOT TO SCALE

**3 TRENCH SECTION**

NOT TO SCALE

**SECTION A-A'****4 UNDERWALK DRAIN**

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

**5 TRENCH DRAIN EMBEDMENT**

Scale: 3" = 1'-0"

GRADING AND DRAINAGE DETAILS

1.29.16

C1.55



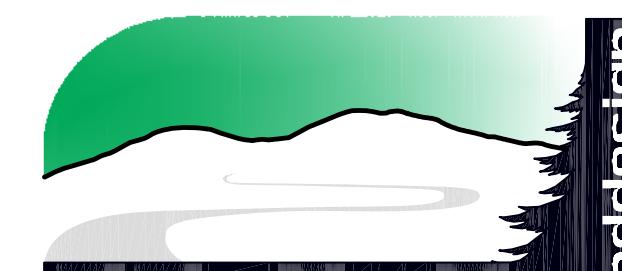
COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

STAMP:



CONSULTANT:



- Landscape Architecture
- Erosion & Sediment Control
- Geographic Info Systems
- Graphic Communication
- Water Management
- Irrigation Design
- Land Planning

www.breckonlanddesign.com
Phone: 208-376-5153
181 East 50th Street
Garden City, Idaho 83714**City of Boise Fire Station 8**

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE Project Status

PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	JB
DRAWN BY	BS, LP, TC

SHEET NAME:

SHEET NUMBER:

DISCLAIMER:

THESE SITE DISTURBANCE PLANS HAVE BEEN PREPARED FOR THE CONTRACTOR/ OWNER IN FULL COMPLIANCE WITH THE GOVERNING AUTHORITY'S SITE DISTURBANCE ORDINANCE. THE REQUIRED REGULATORY ITEMS HAVE BEEN INCORPORATED INTO THIS PARTICULAR PROJECT IN GOOD FAITH. BRECKON LAND DESIGN, INC. CAN NOT BE HELD RESPONSIBLE FOR INACCURATE BASE INFORMATION PROVIDED BY OTHERS, UNACCEPTABLE CONSTRUCTION METHODS, OR SITE MODIFICATIONS MADE WITHOUT CONSULTATION. BRECKON LAND DESIGN, INC. ALL LIABILITY WILL BE ASSUMED BY THE OWNER/CONTRACTOR IF A FINAL INSPECTION OF THE PROJECT HAS NOT BEEN PERFORMED BY BRECKON LAND DESIGN, INC. AND IDENTIFIED DEFICIENCIES CORRECTED BY THE CONTRACTOR/OWNER.

TURF AREA PREPARATION NOTES:

- LIMIT TURF SUBGRADE PREPARATION TO AREAS TO BE PLANTED. NINCHY GRADED SUBGRADES. LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH AND ANY STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEous MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
- SPREAD PLANTING SOIL TO A DEPTH OF 8 INCHES IN TURF AREAS AND 18 INCHES AT SHRUB BED AREAS BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
- SPREAD PLANTING SOIL OVER LOOSEND SUBGRADE.
- REDUCE ELEVATION OF PLANTING SOIL TO ALLOW FOR SOIL THICKNESS OF SOD.
- UNCHANGED SUBGRADES. IF TURF IS TO BE PLANTED IN AREAS UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE SOIL AS FOLLOWS:
 - REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL.
 - LOOSEN SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. PROVIDE WEED ABATEMENT PROCEDURE. APPLY SOIL AMENDMENTS AND FERTILIZERS ACCORDING TO PLANTING SOIL MIX PROPORTIONS AND MIX THOROUGHLY INTO TOP 2 INCHES OF SOIL. TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE.
 - APPLY SOIL AMENDMENTS DIRECTLY TO SURFACE SOIL BEFORE LOOSENING.
 - REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEous MATTER.
 - LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION, AND TURF, OFF OWNER'S PROPERTY.
- FINISH GRADING. GRADE PLANTING AREAS TO A SMOOTH UNIFORM SURFACE PLANE WITH LOOSE UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.
- MOISTEN PREPARED AREA BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.
- BEFORE PLANTING, OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF FINISH GRADING; RESTORE PLANTING AREAS IF ERODED OR OTHERWISE DISTURBED BY CONSTRUCTION ACTIVITIES.
- DO NOT PLANT IN AREAS WHERE FLOWING RAIN, WHEN GROUND IS TOO DRY. TEMPERATURE SHALL BE BETWEEN 55 F AND 45 F FOR A 24 HOUR PERIOD. WIND SHALL BE LESS THAN 5 MPH.
- TURF SEED SHALL BE SOWN AT A RATE PER SQ FT SUPPLIER RECOMMENDATIONS.
- SEED SHALL BE HYDROSEEDED OR DRILL SEDED AT THE CONTRACTOR'S OPTION. AREAS WITH A 4:1 OR GREATER SLOPE SHALL BE HYDROSEEDED.

EROSION AND SEDIMENT CONTROL NOTES

- ALL BMP's SHALL CONFORM TO THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES MANUAL.
- ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE DESIGNER AND THE GOVERNING AGENCIES AS APPLICABLE.
- THE CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EXCAVATION. 1-800-342-1585.
- THIS DRAWING HAS BEEN PREPARED BASED UPON INFORMATION PROVIDED, IN PART BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, BRECKON LAND DESIGN, INC. CANNOT ASSURE ITS ACCURACY AND THIS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS DRAWING OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATE INTO IT AS A RESULT. BRECKON LAND DESIGN, INC. ASSUMES NO LIABILITY FOR ANY INFORMATION.
- RESPONSIBLE PERSON(S) SHALL BE RESPONSIBLE TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ACCOMMODATE CONSTRUCTION ACTIVITIES AND MEET ALL LOCAL STATE AND FEDERAL REQUIREMENTS.
- ALL AGGREGATES USED FOR CONSTRUCTION FROM THE SITE TO PUBLIC, DEVELOPED ROADS SHALL BE STABILIZED AS PER DETAIL.
- ANY SEDIMENT WHICH ENTERS EXISTING DRAINAGE INLETS OR THE DRAINAGE SYSTEM SHALL BE REMOVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DRAIN INLETS ADJACENT TO AND DOWN STREAM OF THE SITE AS REQUIRED TO REMOVE SEDIMENTS.
- Maintain optimum soil moisture as necessary to prevent dust erosion. (BMP #1).
- Contractor shall clear or grade areas necessary for construction, flag or otherwise delineate areas not to be disturbed, including vehicles and construction equipment from these areas to preserve natural vegetation. (BMP #4).
- All areas disturbed by construction activities shall be prepared and hydroseeded. A disturbed area shall be where construction activities including trenching, demolition, earthwork, material storage, staging and parking or any other form of excavation, compaction or traffic that results in the removal or displacement of existing groundcover or grade. (BMP#12).
- Hydroseed with a wood cellulose fiber mulch applied at a rate of 200 lbs per acre. Use an organic tackifier at no less than 150 lbs per acre or manufacturer's recommended rate if higher. Application of tackifier shall be heavier at edges, in valleys, and at crests of banks and other areas where seed can be moved by wind or water. Prior to project completion acceptance, all disturbed areas will be inspected for proper turf establishment. (BMP#11).
- Areas to be filled shall be cleared, grubbed to remove trees, vegetation, roots and other objectionable material and stripped of topsoil.
- Top soil shall be stock piled on site coordinate with owner for exact location. No top soil shall be removed from site.
- All storm water will be contained on site.
- Demolition is not expected for this site.
- Contractor shall park in the area designated for workman parking or off site to help prevent dirt and mud tracking.
- Provide waste containers for building materials in waste storage containment area. Dispose at a frequency according to container size.

PROJECT DESCRIPTION

- PURPOSE
CONSTRUCT A NEW RESIDENTIAL HOME WITH DRIVEWAY, STAIRCASE, PATIO, AND LANDSCAPE AREAS PER PLANS BY BRECKON LAND DESIGN INC.

- LOCATION
THE SUBJECT PROPERTY IS LOCATED AT 1833 RIDGECREST DR, BOISE, IDAHO 83707.

THE LIMITS OF CONSTRUCTION ARE APPROXIMATELY 0.20 ACRES AS SHOWN ON PLAN.

THE MAJORITY OF ONSITE STORM WATER FROM THE AREA OF IMPACT WILL BE DIRECTED OFF SITE TO THE SUBDIVISION STORM SEWER SYSTEM/TOTAL AREAS. IT WILL BE PRETREATED FOR SEDIMENT THROUGH THE USE OF FIBER ROLLS AND STRAW WATTLES. A SMALLER PORTION OF STORMWATER, THAT WHICH FALLS DIRECTLY onto LANDSCAPED AREAS WILL BE ALLOWED TO PERCOLATE DIRECTLY INTO THE GROUND. STORM WATER FROM THE CITY STREETS WILL CONTINUE TO BE DIRECTED TO THE SUBDIVISION STORM DRAINAGE SYSTEM.

C. SITE DESCRIPTION AND DRAINEAGE

THE SITE IS CURRENTLY AN UNDEVELOPED LOT AND BARE SLOPES THERE IS NATIVE VEGETATION LOCATED ON THE EAST SLOPE ADJACENT TO THE PROPERTY. THE SITE IS BOUNDED BY EXISTING RESIDENTIAL HOUSING AND EMPTY LOTS ON THE NORTH, EAST, AND WEST. THE SOUTH PROPERTY LINE IS BORDERED BY EXISTING FOOTHILLS VEGETATION.

I. EXISTING DRAINAGE

THE EXISTING SITE IS RELATIVELY STEEP WITH SLOPES RANGING FROM 3% TO 35% WITHIN THE DISTURBANCE AREA. FLOWS TEND TO SLOPE TOWARDS THE SOUTHERN PROPERTY LINE. UNDISTURBED AREAS ALONG THE SOUTH BOUNDARY SLOPE AWAY FROM THE PROPERTY IN THAT DIRECTION AT AN AVERAGE OF 10%. STORM WATER RUNOFF GENERALLY STAYS ON SITE AND PERCOLATES DIRECTLY INTO THE GROUND THROUGH PERMEABLE BARE LAND SURFACES, AREAS DIRECTLY ADJACENT TO THE PROPERTY LINE FLOW DIRECTLY INTO THE SUBDIVISIONS STORM SEWER SYSTEM IN THE PUBLIC RIGHT-OF-WAY AND THE NATURALLY VEGETATED AREAS TO THE SOUTH. INLETS ARE LOCATED DIRECTLY OFF SITE ALONG RIDGECREST DR.

2. DRAINAGE DURING CONSTRUCTION

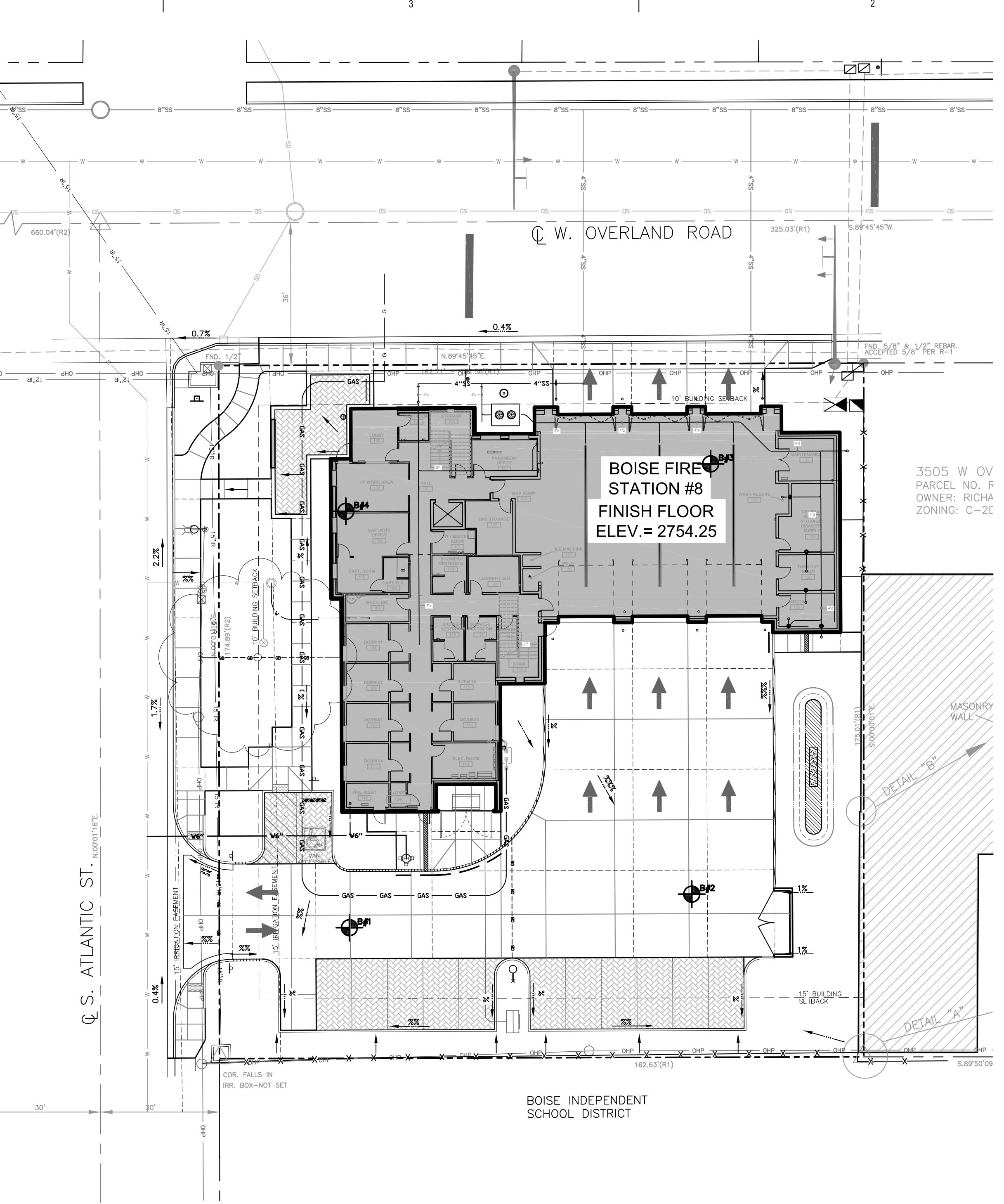
THE MAJORITY OF RUNOFF FROM THE PROPOSED CONSTRUCTION AREA WILL BE CONTAINED ON SITE WHILE A LESSER PORTION WILL CONTINUE TO FLOW INTO THE PUBLIC RIGHT OF WAY AND THE NATURAL AREAS AS DESCRIBED ABOVE. FIBER ROLLS AND STRAW WATTLES WILL BE INSTALLED ALONG THE DOWNSTREAM AREAS OF CONSTRUCTION TO HELP PREVENT RUNOFF ONTO ADJACENT PROPERTIES. EXISTING VEGETATION WILL BE PRESERVED TO THE EXTENT PRACTICAL TO HELP PREVENT EROSION.

3. POST CONSTRUCTION

ALL TREATMENT AND RETENTION OF STORM WATER WILL BE RETURNED TO THE EXISTING CONDITIONS WITH THE ADDITIONAL BENEFITS OF STABILIZED SURFACES TO CONTROL THE EROSION AND SEDIMENTATION FROM RUNOFF AS WELL AS VEGETATED FILTRATION THROUGH NEW LANDSCAPE AREAS.

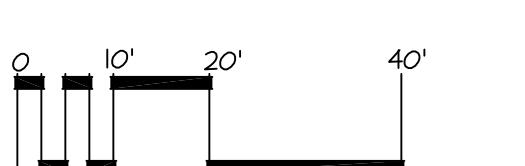
D. DISTURBED AREA

TOTAL DISTURBED AREA WILL BE APPROXIMATELY 0.20 ACRES. TOTAL PROPERTY SIZE IS APPROXIMATELY 0.20 ACRES.



1 EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 20'-0"



GENERAL NOTES

- ALL BMP'S SHALL CONFORM TO THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES MANUAL.
- CONTRACTOR SHALL HAVE PLANS AT WORK SITE STAMPED "APPROVED FOR CONSTRUCTION" BY THE BOISE CITY PUBLIC WORKS DEPARTMENT.
- ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AND THE CONTRACTOR AS SPECIFIED.
- CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EXCAVATION. 1-800-342-1585.
- ALL CONSTRUCTION IN THE RIGHT-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE ISPC AND THE ACDH SUPPLEMENTAL SPECIFICATIONS, NO EXCEPTIONS TO DISTRICT POLICY STANDARDS, AND THE ISPC WILL BE ALLOWED UNLESS SPECIFICALLY AND PREVIOUSLY APPROVED IN WRITING BY THE DISTRICT.
- THIS DRAWING HAS BEEN PREPARED BASED UPON INFORMATION PROVIDED, IN PART BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, BRECKON LAND DESIGN, INC. CANNOT ASSURE ITS ACCURACY AND THIS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS DRAWING OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATE INTO IT AS A RESULT. BRECKON LAND DESIGN, INC. ASSUMES NO LIABILITY FOR ANY INFORMATION.
- THE RESPONSIBLE PERSON (S) SHALL BE RESPONSIBLE TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ACCOMMODATE CONSTRUCTION ACTIVITIES AND MEET ALL LOCAL STATE AND FEDERAL REQUIREMENTS.

ESC BMP IMPLEMENTATION

- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER, SEP, ETC.) CONTRA TO GRAVEL CONSTRUCTION ENHANCED, ETC.) MUST BE IN PLACE FUNCTIONAL AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPING, OR OTHER SUBGRADE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIAL.
- SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED ON OR CLOSE TO THE CONSTRUCTION FENCE/ARRIER.
- CONSTRUCTION FRONTRUNNER SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN, FREE OF DUST AND CONSTRUCTION DEBRIS.
- RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

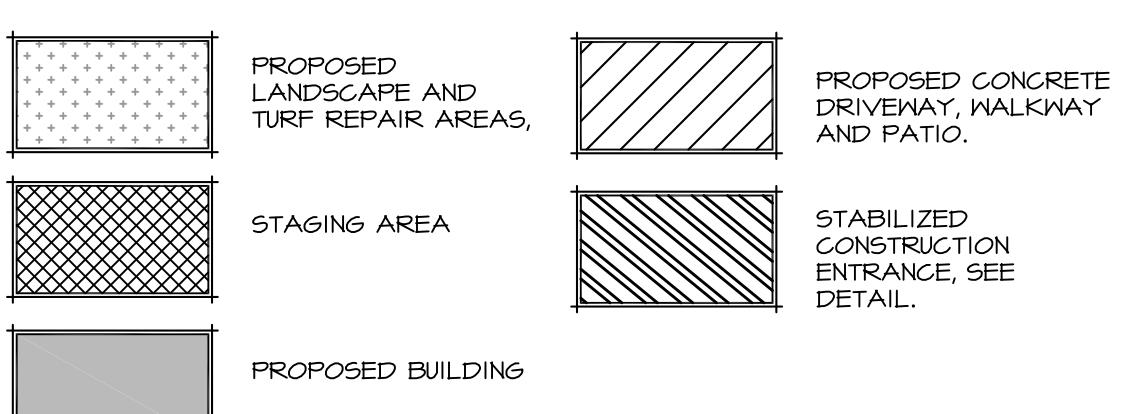
WEED ABATEMENT NOTES:

- ALL AREAS TO BE PLANTED OR HYDROSEEDED SHALL HAVE NEEDS ABATEMENT OPERATIONS PERFORMED ON THEM PRIOR TO PLANTING OR HYDROSEEDED. CONTRACTOR SHALL SWEEP EXPOSED AREAS WITH ROUND-UP (CONTACT HERBICIDE) OR APPROVED EQUAL.
- DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE EXPOSED NEEDS FROM THE SITE.
- CONTRACTOR SHALL OPERATE THE AUTOMATIC IRRIGATION SYSTEM FOR A PERIOD OF 14 DAYS. AT CONCLUSION OF THIS WATERING PERIOD, DISCONTINUE WATERING FOR THREE TO FIVE (3-5) DAYS.
- APPLY SECOND APPLICATION OF ROUND-UP TO ALL EXPOSED NEEDS. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE NEEDS FROM THE SITE.
- IF ANY EVIDENCE OF NEED GERMINATION EXISTS AFTER TWO (2) APPLICATIONS, CONTRACTOR SHALL BE DIRECTED TO PERFORM A THIRD APPLICATION.
- A CERTIFICATE OF PLANTING AND HYDROSEEDED, ALL PLANTING AREAS SHALL BE WEED FREE.

EROSION AND SEDIMENTATION CONTROL LEGEND

- (IP) CURB INLET PROTECTION. PRIOR TO CONSTRUCTION INSTALL SEDIMENT BARRIER PER STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES. MAINTAIN UNTIL ALL CONSTRUCTION IS COMPLETE. REMOVE SEDIMENT BUILD UP AS NEEDED.
- (SB) STABILIZED ENTRANCE. PRIOR TO CONSTRUCTION INSTALL AND MAINTAIN 50 FEET OF 6" MINUS PITRUN MATERIAL AS STABILIZER PER STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES. MATERIAL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL BASE MATERIAL IS INSTALLED. PROVIDE SWEEPING DAILY OR AS NEEDED TO REMOVE ANY TRACKING OF MUD AND/OR DIRT ONTO EXISTING ASPHALT.
- (FB) FIBER ROLLS OR STRAW WATTLES. INSTALL FIBER ROLLS AS INDICATED PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES.
- (CW) CONCRETE WASHOUT LOCATION.
- (H) HAZARD MATERIALS STORAGE AREA WITH SPILL KIT AND WASTE CONTAINER.
- (CP) CONTRACTOR PARKING AREA.
- (SA) STAGING AREA FOR EQUIPMENT AND MATERIAL STORAGE.
- (P) POTENTIAL RECEIVING WATERS POINT OR SITE DISCHARGE POINT.
- (DP) POST SITE ISSUED EROSION CONTROL AND STORM WATER MANAGEMENT SIGN.
- (SP) PROVIDE GRAVEL BAG AT FLOW LINE OF BORROW DITCH AT THIS LOCATION.
- (GP) INCREASED STREET SWEEPING, WASHING & CLEANING MEASURES ALONG ROAD FRONTAGE CONSTRUCTION.
- (SW) PORTABLE RESTROOM LOCATION.
- (R) CONSTRUCTION LIMITS, EXTENTS OF SITE DISTURBANCE.

EROSION & SEDIMENTATION CONTROL LEGEND



CALLOUT LEGEND

- PROPOSED LAWN AND LANDSCAPING FINAL STABILIZATION.
- EXISTING IMPERVIOUS AREAS TO REMAIN.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL STORM WATER INLETS DIRECTLY DOWNSTREAM OF SITE AND INSTALLING INLET PROTECTION AS SPECIFIED.

CONTACTS

RESPONSIBLE PERSON(S):
LICENSE NO.:
EXPIRES:
SIGNATURE:
COMPANY:
ADDRESS:
CITY OF BOISE
LICENSED EROSION AND SEDIMENT CONTROL
PLAN DESIGNER LICENSE NO: CON05-00354
JOHN BRECKON

SIGNATURE:
COMPANY: BRECKON LAND DESIGN, INC.
ADDRESS: 101 EAST 50TH STREET
GARDEN CITY, IDAHO 83714

REVISIONS:

MARK	DATE	DESCRIPTION

5

4

3

2

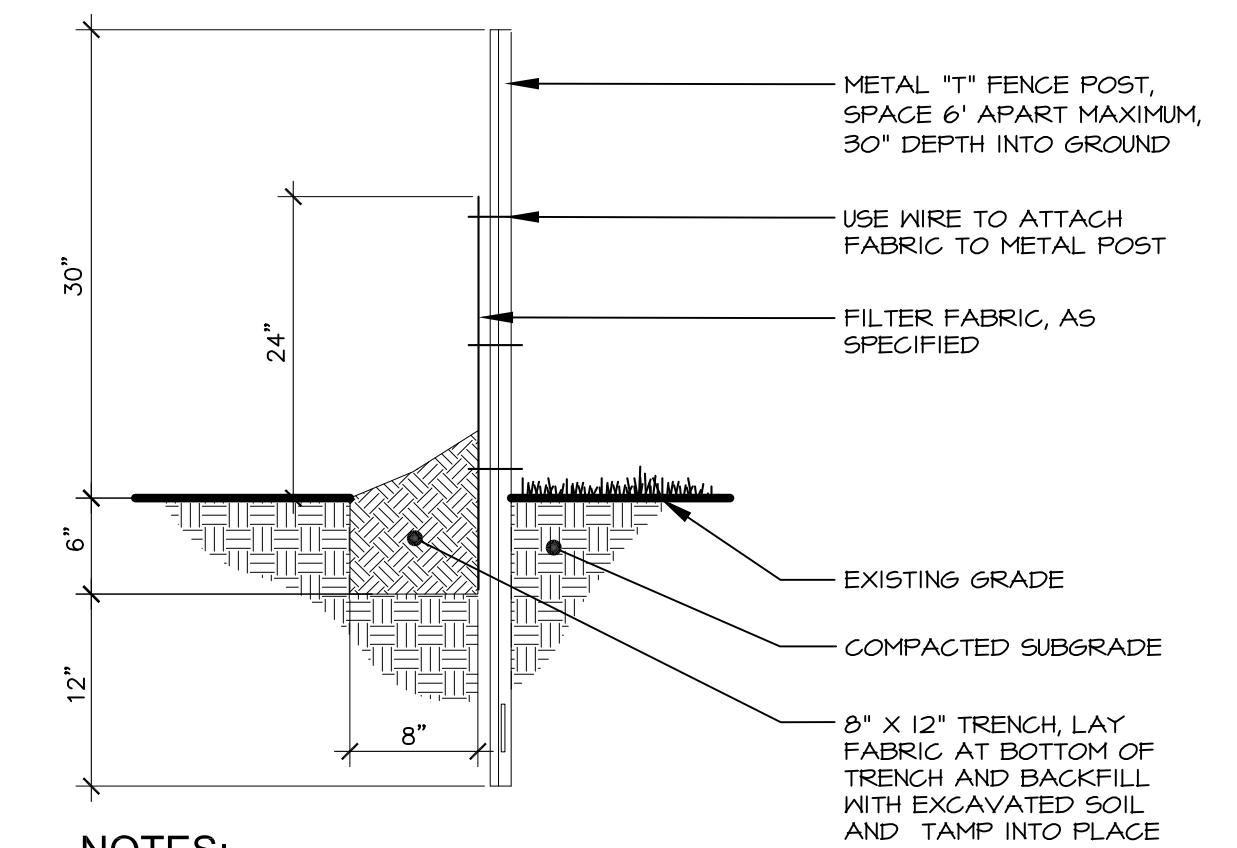
1

A

B

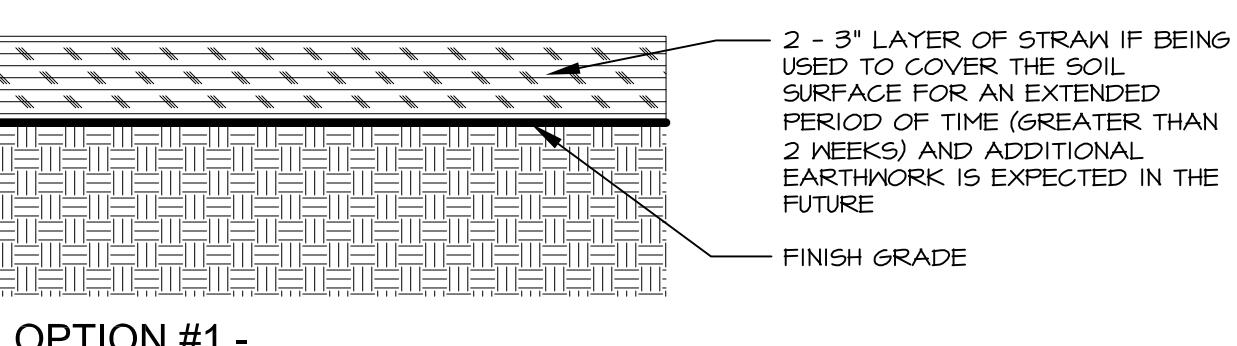
C

D

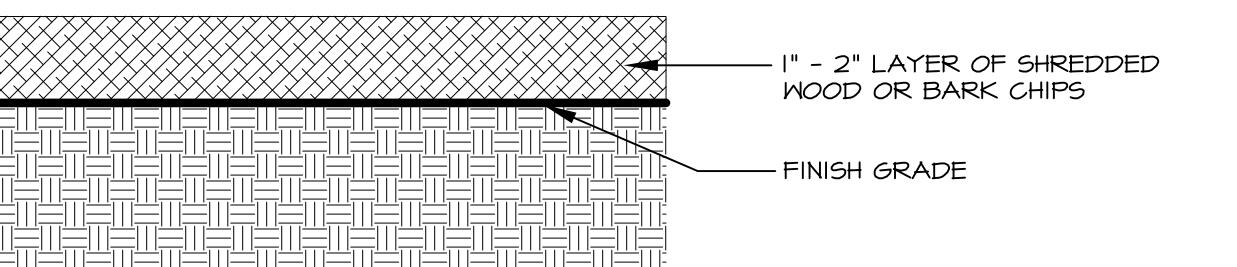


1 SILT FENCE

Scale: 1"= 1'-0"



OPTION #1 - STRAW MULCH



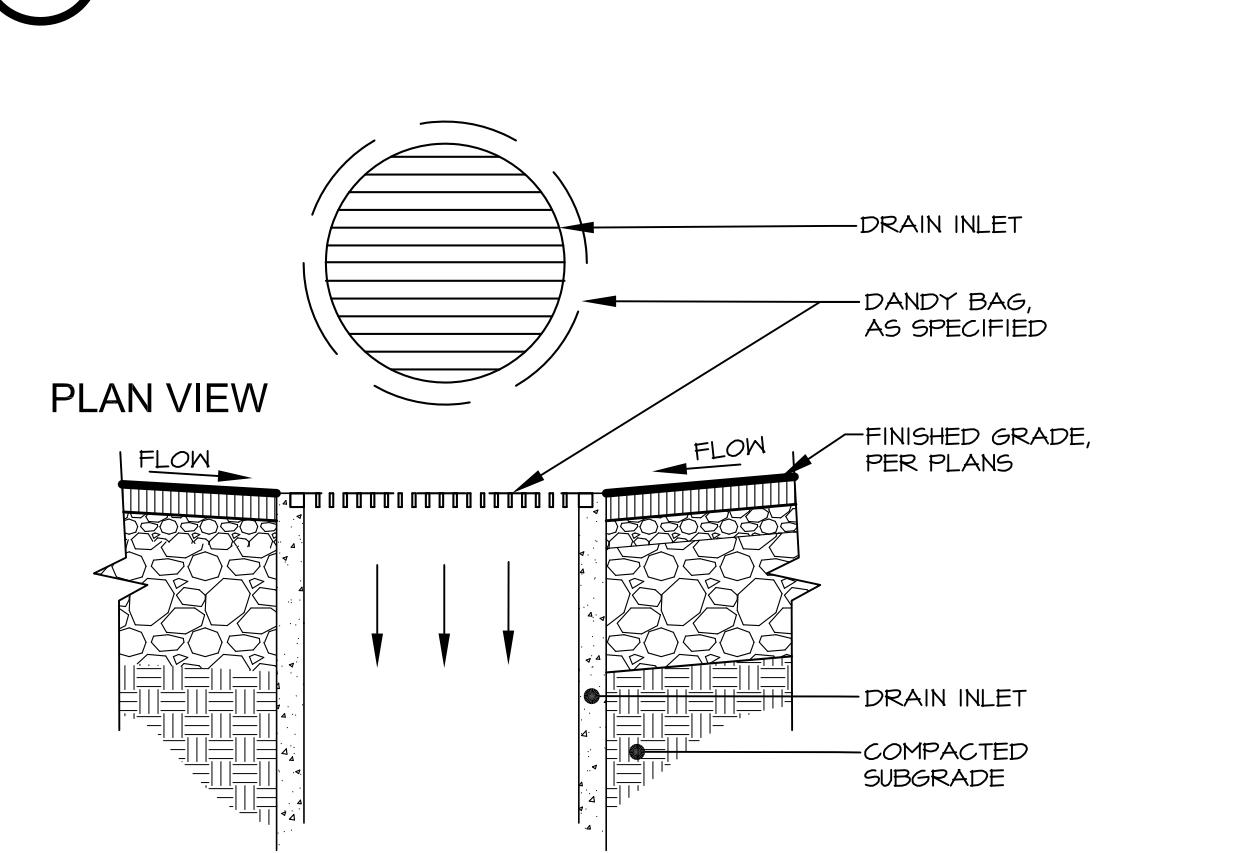
OPTION #2 - WOOD MULCH

NOTES:

1. PREPARE SOIL SURFACE AND SEED WITH RECOMMENDED SEED MIX PRIOR TO APPLICATION OF THE MULCH.
2. ALL MULCHING SHALL COVER 100% OF THE GROUND SURFACE.
3. MULCHES GENERALLY REDUCE THE FERTILITY OF THE SOIL THEREFORE, FERTILIZER TREATMENTS MAY BE REQUIRED.

2 MULCH

NOT TO SCALE



SECTION VIEW

NOTES:

1. INSPECT PERIODICALLY AND REPAIR/REPLACE AS REQUIRED.
2. REMOVE SEDIMENT ACCUMULATIONS WHEN FILTER CAPACITY IS IMPAIRED.
3. OTHER METHODS OF INLET PROTECTION MAY BE APPROVED UPON REVIEW BY THE LANDSCAPE ARCHITECT.
4. APPROVAL FOR FILTER BETWEEN GRATE AND FRAME OF THE DRAINAGE STRUCTURE WILL NOT BE ACCEPTED IN LIEU OF THE INLET FILTER.
5. SEE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES, BMP #25 FOR ADDITIONAL INFORMATION.

3 DRAIN INLET FILTER (TYPE 2)

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



NOTES:

1. INSPECT PERIODICALLY AND REPAIR/REPLACE AS REQUIRED.
2. REMOVE SEDIMENT ACCUMULATIONS WHEN FILTER CAPACITY IS IMPAIRED.
3. OTHER METHODS OF INLET PROTECTION MAY BE APPROVED UPON REVIEW BY THE LANDSCAPE ARCHITECT.
4. APPROVAL FOR FILTER BETWEEN GRATE AND FRAME OF THE DRAINAGE STRUCTURE WILL NOT BE ACCEPTED IN LIEU OF THE INLET FILTER.
5. SEE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES, BMP #25 FOR ADDITIONAL INFORMATION.

4 DRAIN INLET FILTER (TYPE 1)

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



NOTES:

1. INSPECT PERIODICALLY AND REPAIR/REPLACE AS REQUIRED.
2. REMOVE SEDIMENT ACCUMULATIONS WHEN FILTER CAPACITY IS IMPAIRED.
3. OTHER METHODS OF INLET PROTECTION MAY BE APPROVED UPON REVIEW BY THE LANDSCAPE ARCHITECT.
4. APPROVAL FOR FILTER BETWEEN GRATE AND FRAME OF THE DRAINAGE STRUCTURE WILL NOT BE ACCEPTED IN LIEU OF THE INLET FILTER.
5. SEE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES, BMP #25 FOR ADDITIONAL INFORMATION.

5 CONCRETE WASHOUT AREA

NOT TO SCALE

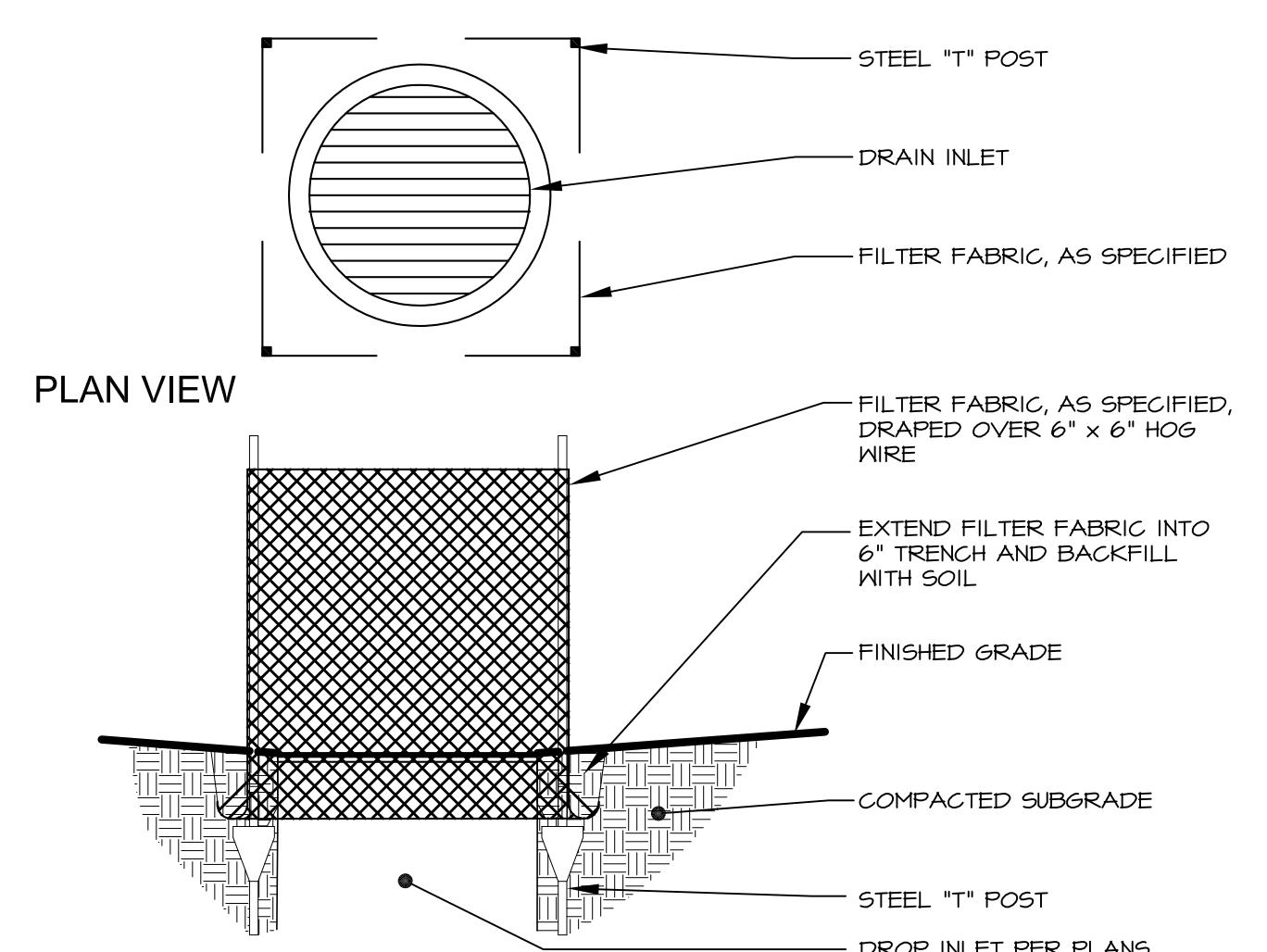


NOTES:

1. DIMENSIONS VARY. RESPONSIBLE PERSON SHALL SIZE BASIN APPROPRIATELY.

6 STABILIZED CONSTRUCTION ENTRY

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

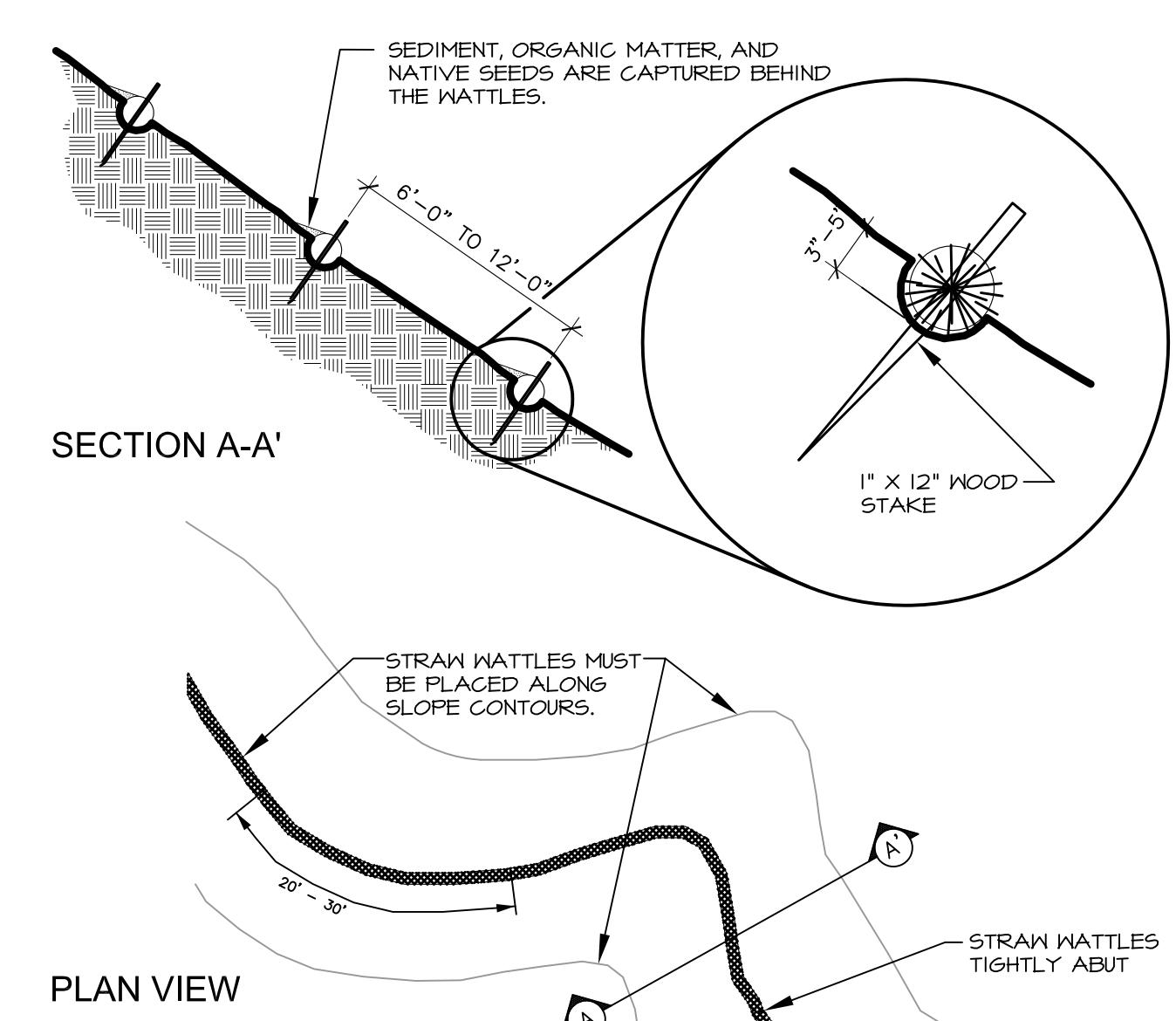


SECTION VIEW

NOTES:

1. INSPECT PERIODICALLY AND REPAIR/REPLACE AS REQUIRED.
2. REMOVE SEDIMENT ACCUMULATIONS WHEN FILTER CAPACITY IS IMPAIRED.
3. OTHER METHODS OF INLET PROTECTION MAY BE APPROVED UPON REVIEW BY THE LANDSCAPE ARCHITECT.
4. APPROVAL FOR FILTER BETWEEN GRATE AND FRAME OF THE DRAINAGE STRUCTURE WILL NOT BE ACCEPTED IN LIEU OF THE INLET FILTER.
5. SEE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES, BMP #25 FOR ADDITIONAL INFORMATION.

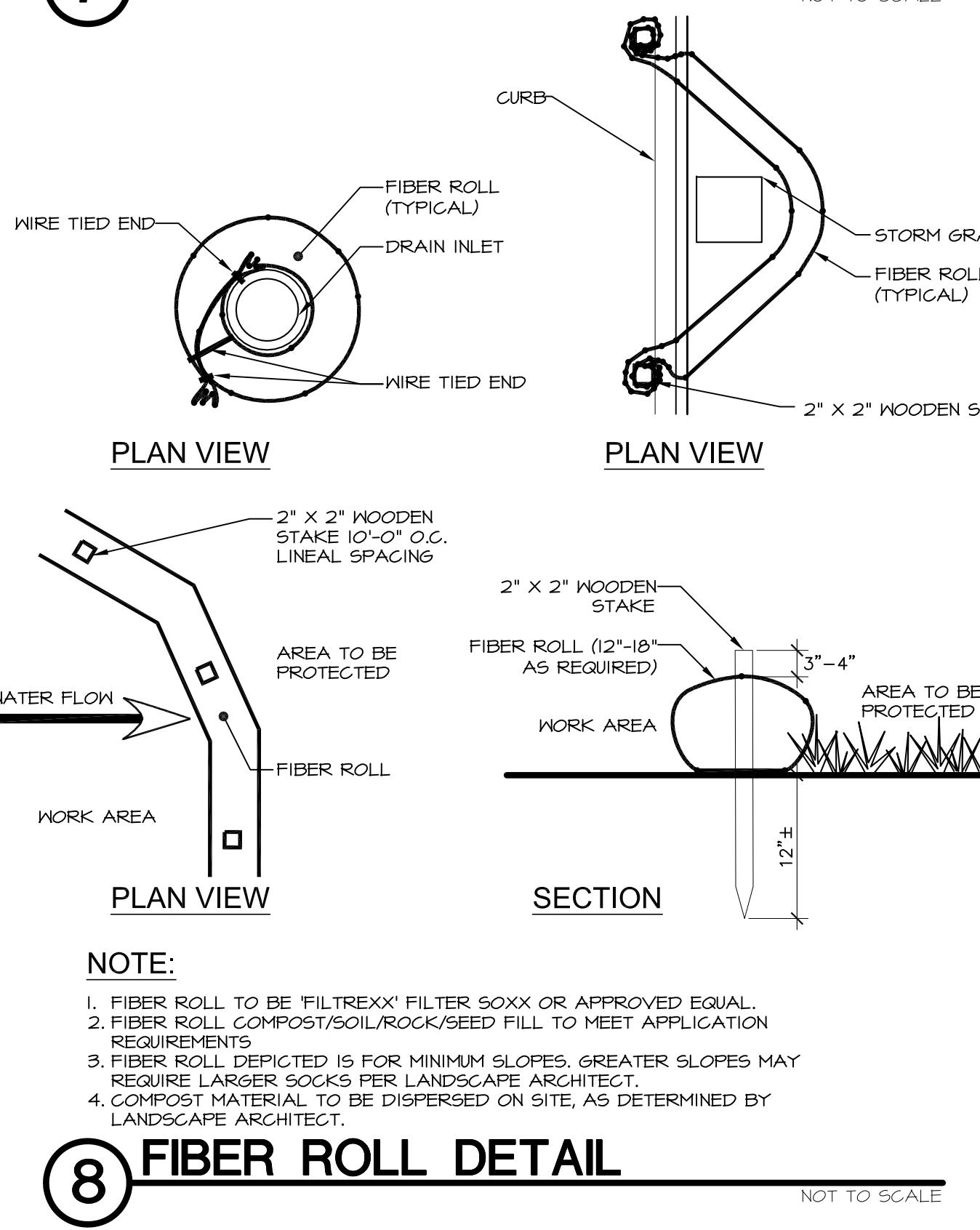
7 STRAW WATTERS

**NOTES:**

1. STRAW WATTERS ARE TUBES MADE FROM STRAW BOUND W/ PLASTIC NETTING. THEY ARE APPROXIMATELY 8' LONG, AND 20"-0" TO 30"-0" LONG.
2. STRAW WATTERS ARE SEDIMENT FILTERS DESIGNED TO REDUCE RILL EROSION BY REDUCING SLOPE GRADIENT, INCREASING INFILTRATION RATES AND BY EROSION BY A FAVORABLE ENVIRONMENT FOR PLANT ESTABLISHMENT.
3. STRAW WATTER INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTER IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND WATTER.

8 FIBER ROLL DETAIL

NOT TO SCALE

**NOTES:**

1. FIBER ROLL TO BE 'FILTREXX' FILTER SOX OR APPROVED EQUAL.
2. FIBER ROLL COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
3. FIBER ROLL DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER LANDSCAPE ARCHITECT.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY LANDSCAPE ARCHITECT.

CONTACTS

RESPONSIBLE PERSON(S):

LICENSE NO.: _____

EXPIRES: _____

SIGNATURE: _____ DATE: _____

COMPANY: _____ ADDRESS: _____

CITY OF BOISE
LICENSED EROSION AND SEDIMENT CONTROL
PLAN DESIGNER LICENSE NO.: CON05-00354
JON BRECKON

SIGNATURE: _____ DATE: _____

COMPANY: BRECKON LAND DESIGN, INC.
ADDRESS: 181 EAST 50TH STREET
GARDEN CITY, IDAHO 83114

DRYLAND SEEDING REQUIREMENTS

General Overview:
This report outlines recommended revegetation and slope stabilization measures for disturbed cut and fill slopes within the project limits as defined on the accompanying plan which will be seeded with the ground seed mix and not irrigated. These recommendations are made to prevent short term and long term soil erosion as well as to provide an aesthetic revegetation which will blend with the existing natural surrounding area. The measures include revegetation and hydroseeding procedures following topsoil distribution and fine grading. The area to be revegetated consists of all disturbed areas related to grading for construction and any other areas disturbed in the process of construction. The slopes to be affected vary widely in degree and aspect.

General Earthwork:
All work shall be limited to the area required for construction with minimal, if any, disturbance to the surrounding natural slope or vegetation. All finished grades shall be smooth and rounded to ensure a natural transition between new and existing grades. Refer to grading and drainage plans for additional requirements.

Site Preparation:
Earthwork process should begin with clearing large shrubs from the areas to be disturbed. Woody stems and branches should be chipped on site to improve the amount of organic material in the top soil. Natural topsoil occurs at varying depths on the project site. The topsoil should be excavated and stockpiled at designated storage areas prior to the proposed grading operations.

Topsoil Distribution:
Once the general earthwork is complete and rough grading has been accomplished, the topsoil should be redistributed within the area to minimum depths as specified. Where needed, slopes should be graded with erosion to hold topsoil adequately. Topsoil should be spread and lightly compacted utilizing a small cleared tractor moving perpendicular to the contours or another method with equal capability. It is our recommendation that any necessary mechanical means of erosion control be in place prior to beginning site disturbance.

Once topsoil has been distributed and graded, revegetation seeding shall follow immediately. In order to eliminate surface crusting and to facilitate better root penetration, the surface should be scarified prior to seeding.

Seeding:
Apply to the project site by hydroseeding or sodding. The following information provides material and execution for seeding.

Fertilizer-Fiber Mulch Material:
Kiwi Fertilizer from Quattro Environmental, a composted poultry based mulch material free of growth or germination inhibiting ingredients. Apply at the rate of 2000 lbs. per acre.

Organic Soil Amendment:
Kiwi Power from Quattro Environmental (or approved equal) applied at 5 gallons per acre.

Tackifier:
Mulch tackifier soil stabilizer - Ecology controls M-Binder. Tackifier applied at the rate of 80 lbs. per acre. Granite Seed 100 West 100 North P.O. Box 177 Lehi, Utah 84043 1-800-768-4433 (or approved equal)

Hydroseeding:
Mix specified seed and organic soil amendment in water per manufacturer's recommendations. Apply seeded slurry evenly in two intersection directions. Do not hydroseed areas in excess of that which can be mulched on some day. Keep off roads, walks, structures and areas not to be seeded. Clean up these areas. After hydroseed, track in seed with a chain crawler with track marks perpendicular to the slope. After tracked, mulch slope with 2000 lbs. per acre of fertilizer-fiber mulch material and 80 lbs. per acre of tackifier.

Maintenance:
Immediately reseed areas which show bare spots. Minimum acceptable plant coverage is 80 percent after one growing season. Protect seeded areas with wading minimum during maintenance period. The seed will require approximately ninety (90) days of favorable growing conditions to germinate and become established for successful survival with normal minimal summer precipitation.

Seeding Time:
The optimal seeding time shall be in fall, between mid September and mid October. If seeding is applied too early or too late and proper germination is not realized prior to fall dormancy, then reseeding shall be applied in early spring, as soon as soil is workable (not muddy) between March and mid May. This planting time provides the optimum weather conditions for seed germination and seedling survival rate. Seeding after November 20, 'dormant seeding' insures that the seed does not germinate prior to freezing winter temperatures and seed should be in place for the early spring rains.

Water:
The contractor will provide supplemental water to ensure proper seed germination.

Fertilization:
Fertilization is not recommended for reclamation seeding due to promotion of weed competition. If weeds are apparent, contact landscape architect for weed removal requirements.

Erosion Control:
Under normal circumstances and adherence to the construction practices described in the specifications, the above recommended erosion control measure should provide a stable slope condition. To avoid incidental erosion, it is imperative that the slopes, once prepared, remain undisturbed until seeding germinates and is established.

An 80% vegetation cover is recommended to control erosion. Surface conditions should be monitored daily. If erosion detrimental to the slope is observed or anticipated due to excessive rainfall, remedial measures shall be implemented as required. Refer to the Storm Water Pollution Prevention Plan for additional requirements.

DISTURBED AREAS

GENERAL OVERVIEW

THIS REPORT OUTLINES RECOMMENDED REVEGETATION AND SLOPE STABILIZATION MEASURES FOR DISTURBED CUT AND FILL SLOPES WITHIN THE PROJECT LIMITS AS DEFINED ON THE ACCOMPANYING PLAN. THESE RECOMMENDATIONS ARE MADE TO PREVENT SHORT TERM AND LONG TERM SOIL EROSION AS WELL AS TO PROVIDE AN AESTHETIC REVEGETATION WHICH WILL BLEND WITH THE EXISTING NATURAL SURROUNDING AREA. THE AREA TO BE REVEGETATED CONSIST OF CONSTRUCTION AREAS RELATED TO GRADING FOR THE NEW GARAGE AND LANDSCAPE PLANTINGS AND ANY OTHER AREAS DISTURBED IN THE PROCESS OF CONSTRUCTION. THE SLOPES TO BE AFFECTED ARE DISTURBED AREAS TO BE REMEDIED.

GENERAL EARTHWORK:

ALL WORK SHALL BE LIMITED TO THE AREA REQUIRED FOR CONSTRUCTION WITH MINIMAL, IF ANY, DISTURBANCE TO THE SURROUNDING NATURAL SLOPE OR VEGETATION. ALL FINISHED GRADES SHALL BE SMOOTH AND ROUNDED TO ENSURE A NATURAL TRANSITION BETWEEN NEW AND EXISTING GRADES.

SITE PREPARATION:

EARTHWORK PROCESS SHOULD BEGIN WITH CONSTRUCTION OF THE TEMPORARY ACCESS RAMP FOR ACCESS TO THE OVER BACK YARD. NATURAL TOPSOIL OCCURS AT VARYING DEPTHS ON THE PROJECT SITE. THE TOPSOIL SHOULD BE EXCAVATED AND STOCKPILED AT DESIGNATED STORAGE AREAS PRIOR TO THE PROPOSED LANDSCAPING.

TOPSOIL DISTRIBUTION:

ONCE THE GENERAL HARDSCAPE AREAS ARE COMPLETED AND ROUGH GRADING HAS BEEN ACCOMPLISHED, THE TOPSOIL SHOULD BE REDISTRIBUTED OVER THE AREA TO A MINIMUM DEPTH OF SIX (6) INCHES OR AS ALLOWED BY THE EROSION AND SEDIMENT CONTROL PLAN. THE TOPSOIL SHOULD BE SPREAD AND LIGHTLY COMPACTED UTILIZING A SMALL CLEARED TRACTOR MOVING PERPENDICULAR TO THE CONTOURS OR ANOTHER METHOD WITH EQUAL CAPABILITY. IT IS OUR RECOMMENDATION THAT ANY NECESSARY MECHANICAL MEANS OF EROSION CONTROL BE IN PLACE PRIOR TO BEGINNING SITE DISTURBANCE. REFER TO THE EROSION AND SEDIMENT CONTROL PLAN FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

ONCE TOPSOIL HAS BEEN DISTRIBUTED AND GRADED, NEW SOIL, LANDSCAPE PLANTING AND MULCH SHALL BE INSTALLED INITIALLY TO REDUCE THE POSSIBLE AMOUNT OF EROSION.

EROSION CONTROL:
UNDER NORMAL CIRCUMSTANCES AND ADHERENCE TO THE CONSTRUCTION PRACTICES DESCRIBED IN THE PLANS, THE ABOVE RECOMMENDED EROSION CONTROL MEASURE SHOULD PROVIDE A STABLE SLOPE CONDITION. TO AVOID INCIDENTAL EROSION, IT IS IMPERATIVE THAT THE SLOPES, ONCE PREPARED, REMAIN UNDISTURBED UNTIL NEW LANDSCAPING (SOIL AND/OR SHRUBS AND MULCH) ARE INSTALLED AND ESTABLISHED.

A DAILY EROSION MONITORING PROGRAM SHOULD BE IMPLEMENTED. SURFACE CONDITIONS SHOULD BE MONITORED DAILY. IF EROSION DEDIMENTAL TO THE SLOPE IS OBSERVED OR ANTICIPATED DUE TO EXCESSIVE RAINFALL, REMEDIAL MEASURES SHALL BE IMPLEMENTED AS REQUIRED.

811

Know Where Below.

Call before you dig.

Excavate for the underground.

Call 2 business days in advance before you dig.

Excavate for the underground.

Member Utilities

A

COLE ARCHITECTS
 COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
 Boise, ID 83702 | (208) 345-1800

TCA

architecture • planning

TCA | 811 Roosevelt Way NE

Seattle, WA 98115 | (208) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

BRECKON

land design

www.breckonlanddesign.com

Fax: 208-376-6528

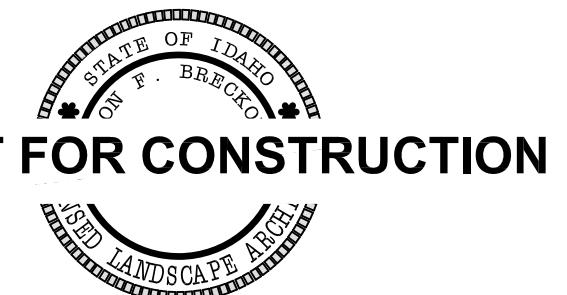
Phone: 208-376-5153



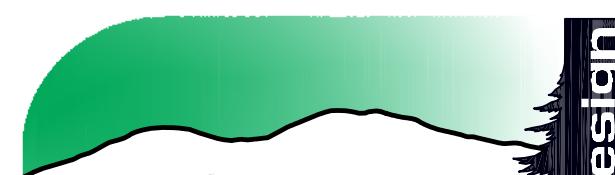
architecture • planning

TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

STAMP:



CONSULTANT:



Landscape Architecture www.breckonlanddesign.com
 • Erosion & Sediment Control Fax: 208-376-6528
 • Geographic Info Systems Phone: 208-376-5153
 • Graphic Communication
 • Water Management
 • Irrigation Design
 • Land Planning

181 East 50th Street
Garden City, Idaho 83714

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	Project Status
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	JB
DRAWN BY	BS, LP, TC

SHEET NAME:

LANDSCAPE DETAILS

L1.75

IRRIGATION NOTES

- SYSTEM DESIGN BASED ON THE ASSUMPTION OF THE AVAILABILITY OF 50 G.P.M. WITH 80 P.S.I. AT THE SOURCE AND 45 P.S.I. AT THE HEADS.
- ALL LATERAL LINES THAT ARE NOT LABELED SHALL BE 3/4" DIAMETER.
- CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES SHALL BE CONTRACTOR'S RESPONSIBILITY.
- COORDINATE ALL IRRIGATION INSTALLATION OPERATIONS WITH CIVIL, MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER HARD SURFACES WITH RESPECTIVE CONTRACTORS.
- ALL SLEEVES SHALL BE INSTALLED AS PART OF IRRIGATION CONTRACT. APPROXIMATE LOCATION OF SLEEVES ARE SHOWN ON THE IRRIGATION PLAN. FIELD VERIFY LOCATION. ALL ENDS OF SLEEVES SHALL BE TAPE OR CAPPED AND MARKED WITH A 2" X 4" PAINTED STAKE EXTENDING TO 24" ABOVE GRADE. STAKES SHALL NOT BE REMOVED UNTIL THE IRRIGATION SYSTEM IS COMPLETED. PROVIDE COMPACTED BACKFILL AS REQUIRED ON BACK OF CURB OR EDGE OF PAVEMENT.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.
- IRRIGATION CONTROLLER(S) ARE TO BE LOCATED AS SHOWN ON THE PLAN. CONTROLLERS SHALL BE WIRED TO POWER SUPPLY BY A LICENSED ELECTRICIAN PER LOCAL CODES. IRRIGATION CONTRACTOR TO PROVIDE ALL REQUIRED CONNECTIONS TO 24 VOLT IRRIGATION CONTROL WIRE INSIDE THE BUILDING THROUGH APPROPRIATE SIZED CONDUIT.
- ALL HEADS ARE TO BE 6" POP-UP IN LAWN AREAS AND 12" POP-UP IN SHRUB AND GROUND COVER AREAS. IRRIGATED AREAS CONTAINING PLANTATION AREAS MAY POTENTIALLY IMPEDE PERFORMANCE OF A 4" POP-UP SPRINKLER. AREAS TO BE REPLACED WITH 12" HIGH POWER SPRINKLERS.
- ALL ELECTRICAL WORK TO MEET OR EXCEED N.E.C., STATE CODES, LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ROCK AND DEBRIS BROUGHT TO THE SURFACE AS A RESULT OF TRENCHING OPERATIONS.
- CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- ALL 24 VOLT POWER WIRES SHALL BE #14 AWG COPPER. ALL ABOVE GROUND 120 VOLT AND 24 VOLT WIRE SHALL BE IN PVC COATED CONDUIT. SHREWDOWN SLEEVES SHALL BE USED FOR ALL CONDUIT. ALL COMMON WIRES SHALL BE #12 AWG COPPER. ALL 24 VOLT WIRES SHALL BE TIED TOGETHER AT TEN FOOT (10'-0") INTERVALS.
- INSTALLATION SHALL COMPLY WITH ALL NATIONAL, STATE, AND LOCAL LAWS AND ORDINANCES.
- IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT DRAWING IN PDF FORMAT UPON COMPLETION OF INSTALLATION AND PRIOR TO FINAL PAYMENT.
- THE ENTIRE SYSTEM SHALL BE GUARANTEED TO BE COMPLETE AND PERFECT IN EVERY DETAIL FOR A PERIOD OF TWO YEARS FROM THE DATE OF ITS ACCEPTANCE; REPAIR OR REPLACEMENT OF ANY DEFECTS OCCURRING WITHIN THOSE TWO YEARS SHALL BE THE RESPONSIBILITY OF THE OWNER.
- AS PART OF THIS CONTRACT, PERFORM AT NO EXTRA COST WINTERIZATION AND SPRING START UP OF THE SYSTEM DURING THE GUARANTEE PERIOD (2 YEARS).
- ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF THE QUALITY AND PERFORMANCE SPECIFIED, AND SHALL MEET THE REQUIREMENTS OF THIS SYSTEM. USE MATERIALS AS SPECIFIED, NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER OR LANDSCAPE ARCHITECT.
- IRRIGATION CONTRACTOR SHALL MAKE NECESSARY MINOR FIELD ADJUSTMENTS TO SPRINKLER NOZZLES, SPRINKLERS, PIPE, AND OTHER IRRIGATION EQUIPMENT ADJUSTMENTS TO FIT THE AS-BUILT SITE. ADJUST HEAD AND PIPE LOCATIONS AS REQUIRED TO AVOID DAMAGING TREE ROOTS. ADJUSTMENTS SHALL ENSURE HEAD TO HEAD COVERAGE AND NOT OVERSPRAY THE BUILDING OR OTHER IMPROVEMENTS.
- IRRIGATION PIPING LAYOUT IS SCHEMATIC, WHERE LINES ARE SHOWN BELOW PAVEMENT ADJACENT TO LANDSCAPE AREAS, THEY SHALL BE LOCATED IN THE LANDSCAPE AREA UNLESS SHOWN WITH A SLEEVE SYMBOL.
- BASE PLAN AND LOCATION OF EXISTING EQUIPMENT ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL BASE AND EXISTING IRRIGATION ELEMENTS AND CONDITIONS PRIOR TO CONSTRUCTION AND PROVIDE NECESSARY ADJUSTMENTS.
- IRRIGATION CONTRACTOR SHALL MAKE NECESSARY FIELD ADJUSTMENTS TO THE MANIFOLD TO ENSURE SMOOTH FLOW AND TO ADJUST ZONE OPERATING PRESSURES TO AN AVERAGE OF 40 P.S.I. IN SPRAY ZONES AND 40 P.S.I. IN ROTOR ZONES.
- ALL MAIN LINE FITTINGS SHALL BE HARCO DUCTILE IRON PUSH ON TYPE UNLESS NOTED FOR LATENT SERVICE. (ON 3" OR LARGER ONLY).
- IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.

DRIP IRRIGATION NOTES

- ALL PLANTER BEDS SHALL BE IRRIGATED WITH AN INLINE EMMITTER DRIP LINE IRRIGATION SYSTEM. NETAFIM RN' OR APPROVED EQUAL. ALL TREES IN THE NOTED AREA ARE TO BE IRRIGATED AS PER DETAIL. THE CONTRACTOR IS RESPONSIBLE TO INSTALL THE DRIP SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS AND THE FOLLOWING REQUIREMENTS:
 - AN INLINE EMMITTER DRIP LINE TUBING SHALL BE USED. THE EMMITTER SPACING SHALL BE EIGHTEEN INCHES (18") AND THE EMISSION FLOW IS TO BE 4 G.P.H. LATENTS SHALL BE SPACED AT EIGHTEEN INCHES (21").
 - A NETAFIM TECHFILTER® WITH A TRIFURCALIN DISC RING SHALL BE INSTALLED ON EACH ZONE. THE FILTER SHALL BE INSTALLED IN CONJUNCTION WITH AN ELECTRIC REMOTE CONTROL VALVE AS SPECIFIED (SIZE AS NOTED ON SCHEDULE). THE FILTER MODEL SHALL BE A 1" 120 MESH DISC FILTER (TF0418-100CRN). SEE DETAIL.
 - ALL ZONES SHALL BE INSTALLED WITH A LINE FLUSHING VALVE. INSTALL WITH COLLAR. SEE DETAIL.
 - ALL ZONES SHALL HAVE AN AIR/VACUUM RELIEF VALVE. SEE DETAIL. THESE SHALL BE INSTALLED AT THE HIGHEST POINTS WITHIN THE ZONES.
 - ALL TUBING SHALL BE STAKED DOWN WITH TL56 SIX INCH (6") SOIL STAPLES TO PREVENT EXPOSURE OF PIPE THROUGH MULCH. SEE DETAIL.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL THE DRIP SYSTEM SO THAT THE OPTIMUM AMOUNT OF WATER IS APPLIED TO ENSURE THE HEALTH OF ALL PLANT MATERIAL. EXTRA EMMITTERS ARE TO BE INSTALLED AT ALL TREES PLANTED WITHIN THE PLANTER BEDS TO ENSURE PROPER WATERING IF NECESSARY.
- THE CONTRACTOR IS RESPONSIBLE TO SCHEDULE A MEETING WITH THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE BEFORE PROVISIONING WITH ANY IRRIGATION INSTALLATION IN ORDER TO REVIEW WORK TO BE DONE. NO CHANGES IN MATERIAL SPECIFIED OR TO THE DESIGN OF THE SYSTEM SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL 1/2" LATENT LINES FROM VALVES TO HEADERS ARE TO BE BURIED AT MINIMUM DEPTH OF TWELVE INCHES (12"). SIZE AS NECESSARY. (SEE PIPE SIZING NOTES ON THIS SHEET).
- After installation of the irrigation system the contractor is responsible to provide the owner with as-built drawings and instructions for maintenance of the drip system.
- Provide drip line to ensure each shrub and tree receives adequate irrigation. bury drip line at 4" min. to hide from view. see sub-grade installation detail.
- POINT SOURCE CONFIGURATION OF DRIP LAYER INSTALLATION TYPES WILL NOT BE ACCEPTED. INSTALL DRIP LINE IN LATENT AREA. PERMIT PER TRENCHING DETAILS. ADJUST DRIP LINE LOCATION TO OBTAIN COMPLETE COVERAGE OF DRIP ZONE AREAS AT SPECIFIED SPACING AS NOTED ABOVE.
- REFER TO NOTES FOR SPECIFICATIONS.

SYSTEM OPERATIONAL NOTES

SYSTEM OPERATION:

(based on historical climate)

CONTROLLER SETUP:

A cycling technique will be used for application of water. Each station run time will be applied with three (3) different start times. Therefore, station run times reflect one third (1/3) the total application. Peak water application will require 5 minutes per night. Set controllers for start time #1 at 7:30p.m., start time #2 at 12:00am, and start time #3 at 5:30am. Extend water window if required to meet peak water requirements.

INITIAL STATION RUN TIMES:

DRIP ZONES, SHRUBS - 20 MINUTE CYCLES,
PRO SPRAY ZONES, TURF - 3 MINUTE CYCLES,
ROTOR SPRAY ZONES, TURF - 15 MINUTE CYCLES.

SYSTEM BALANCING:

As the system operates, some zones will be wet while others are dry. Adjust only those stations which require additional or less water. For example, if station T51, a 15" turf spray zone is always dry, change the station T51 run time from fifteen (15) minutes to sixteen (16) minutes. Continue making adjustments until the zone moisture content is acceptable. Use nozzle changes or nozzle screw adjustments to adjust wet and dry areas within a zone.

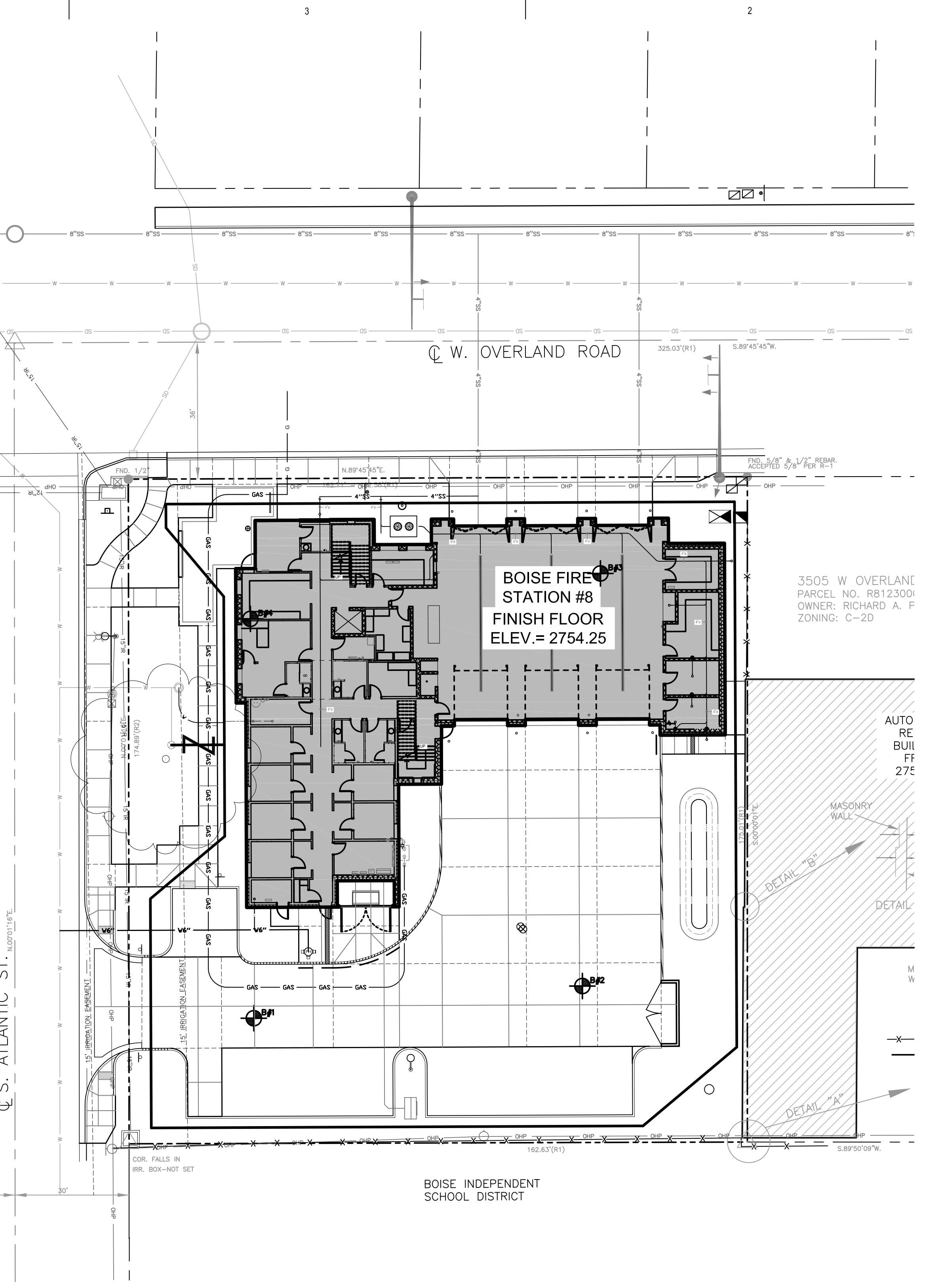
PRESSURE IRRIGATION SYSTEM

NON-POTABLE WATER NOTES

- ALL VALVE BOXES, QUICK COUPLER VALVES, SPRINKLER HEAD COVERS, AND AUTOMATIC CONTROL VALVES SHALL BE PURPLE TINTED IDENTIFICATION MATERIAL, MARKED WITH "DO NOT DRINK" WARNING.
- INSTALL FINDER TAPE OVER ALL IRRIGATION MAINS. TAPE SHALL BE 2" WIDE, METALLIC PURPLE IN COLOR, WITH THE WORDS "DANGER - UNSAFE WATER" OR "NON-POTABLE WATER" CLEARLY MARKED ALONG THE LENGTH OF THE TAPE. TAPE SHALL BE PLACED BETWEEN SIX INCHES (6") AND EIGHTEEN INCHES (18") BELOW THE SURFACE, DIRECTLY ABOVE THE TOP OF THE PIPE.
- THE HORIZONTAL SEPARATION OF POTABLE WATER MAINS AND NON-POTABLE WATER MAINS (SANITARY SEWER, STORM DRAIN, AND IRRIGATION) SHALL BE A MINIMUM OF TEN (10') FEET, WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18") INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16).
- THE HORIZONTAL SEPARATION OF NON-POTABLE SERVICES OR POTABLE WATER SERVICES OR POTABLE WATER MAINS SHALL BE A MINIMUM OF SIX (6) FEET, WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18") INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16).
- REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION.

CAUTION NOTICE

The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the local utility location center at least 48 hours before any excavation to request exact field locations of the utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.



IRRIGATION PLAN

SCALE: 1" = 20'-0"



0' 10' 20' 40'

ZONE SCHEDULE

ZONE #	GPM	PSI	VALVE SIZE
D 1	17.21	30	1" 1/2"
D 2	15.17	30	1" 1/2"
D 3	14.54	30	1" HF
D 4	9.87	30	1" HF
D 5	8.07	30	1" HF
D 6	11.19	30	1" LF
D 7	5.48	30	1" HF
D 8	8.83	30	1" HF
D 9	1.01	30	1" HF
D 10	1.00	30	1" HF
D 11	10.12	30	1" HF
D 12	11.06	30	1" 1/2"
D 13	10.04	30	1" HF
D 14	13.61	30	1" 1/2"
D 15	13.01	30	1" 1/2"
D 16	4.65	30	1" HF
D 17	9.04	30	1" HF
D 18	15.78	30	1" 1/2"

IRRIGATION MATERIAL LEGEND

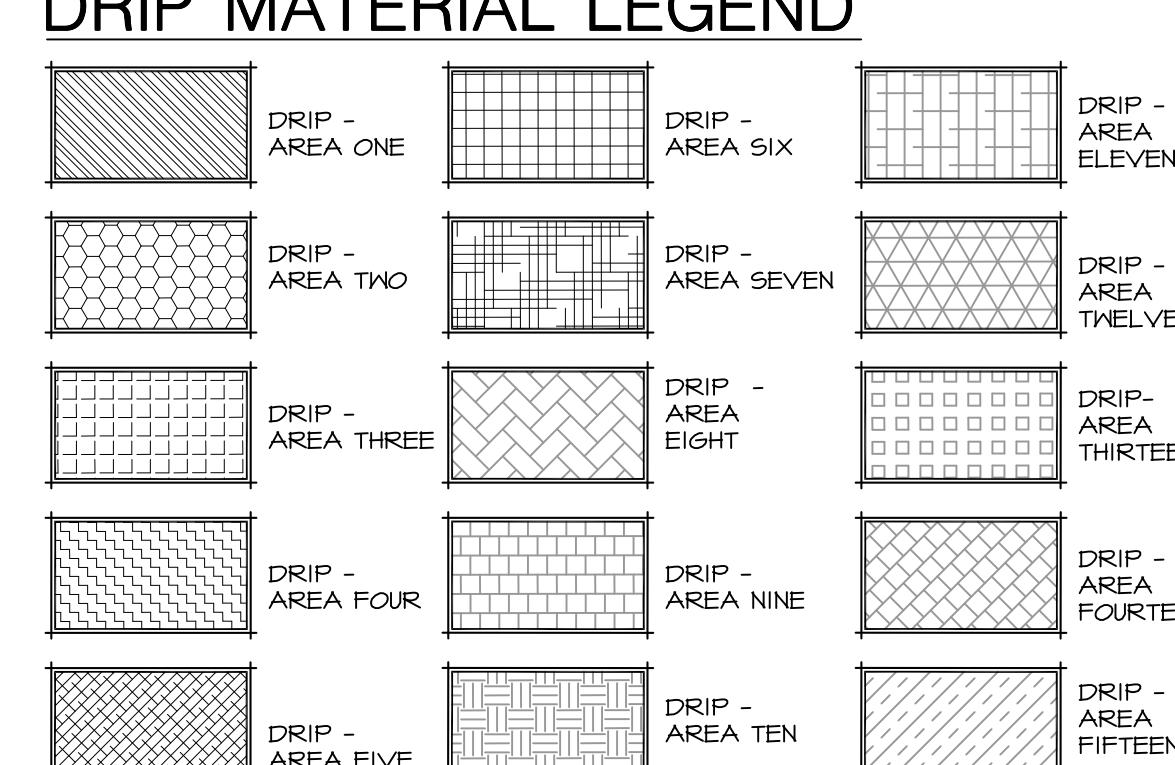
SYMBOL	DESCRIPTION
05 10 20	NETAFIM POINT SOURCE SELF PIERCING EMMITTERS WITH CHECK VALVE MODEL NUMBERS SPCV05, SPCV10, AND SPCV20 PER PLANS.
TS3	NETAFIM LVLCZ-150 AND LVZC500100T5 ELECTRIC REMOTE CONTROL VALVE.
1/4"	SCHEDULE 40 SOLVENT WELD PVC LATERAL LINE, SIZE AS INDICATED ON PLANS. PROVIDE ONE (1) KING DRAIN AUTOMATIC DRAIN VALVE AT LOW POINT OF EACH LATERAL ZONE.
6" SLV	1/2" SCHEDULE 40 SOLVENT WELD PVC MAIN LINE. EXISTING 4" SLEEVE TO BE UTILIZED BY LIGHTING AND IRRIGATION. 4X AT EACH LOCATION (USE ADDITIONAL SLEEVE AT MAIN LINE SLEEVE LOCATIONS FOR CONTROL WIRES).
6"	GRAY SCHEDULE 40 PVC FOR ELECTRICAL CONTROL WIRES, SIZE AS INDICATED ON PLANS. COORDINATE WITH ELECTRICAL.
⊕	WILKINS GATE VALVE OR APPROVED EQUAL, SIZE TO MATCH MAIN LINE, SEE DETAIL.
⊗	NETAFIM HYDROMETER / MASTER VALVE MODEL # LHM15GO053-MEL-NO
⊖	1" HUNTER HG-5LRG QUICK COUPLING VALVE W/ HK-55 KEY, AND HOSE SWIVEL, SEE DETAIL.
□	NIBCO MANUAL DRAIN VALVE SIZE TO MATCH MAINLINE, SEE DETAIL.
○	CRISPIN AIR RELEASE VALVE AS SPECIFIED, SEE DETAIL.
Z	REDUCED PRESSURE BACK FLOW PREVENTOR, SIZE TO MATCH MAINLINE, SEE DETAIL.
■	NETAFIM NLC-100 SITE CONTROLLER WITH PEDESTAL ENCLOSURE, MODEL #NLCSP-025-C12-N-NO-Y, SEE DETAIL.
ℳ	NETAFIM WEATHER STATION AND RECEIVER, MODEL #'S NLS300K AND NLCETHNRX, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CALLOUT LEGEND

- CONNECT NEW 1 1/2" MAINLINE TO 1" METER STUB PROVIDED BY OTHERS IN THIS APPROXIMATE LOCATION. (FIELD VERIFY)
- 2" WIRE SLEEVE, ROUTE TO CONTROLLER LOCATION PER LOCAL CODES AS REQUIRED.
- PEDESTAL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION AS REQUIRED. CONNECT 120 VOLT AS REQUIRED. ALL ABOVE GROUND WIRES SHALL BE LOCATED IN APPROPRIATE SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPTIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED.
- EXTEND EXTRA WIRES TO THIS POINT, COIL APPROXIMATELY 24" LENGTH OF EXTRA WIRES IN SEPARATE VALVE BOX AT THIS LOCATION.
- INSTALL 'NETAFIM' PRESSURE INDICATOR STAKE AT END OF DRIPZONE LINE TO ENSURE PROPER FUNCTIONALITY.
- CAP MAINLINE IN THIS APPROXIMATE AREA, ENSURE A WATER TIGHT FITTING.
- CONNECT CONTROLLER POWER TO EXISTING JUNCTION BOX PROVIDED BY IDAHO POWER IN THIS APPROXIMATE LOCATION. COORDINATE AS REQUIRED. ROUTE POWER LINE ALONG BACK OF SIDEWALK.
- ROUTE POLYETHYLENE LATERAL LINE ALONG BACK OF SIDEWALK AS SHOWN PER PLANS, PROVIDE SCHEDULE 40 SLEEVING AT DRIVEWAY LOCATIONS AS SHOWN.
- CONNECT ALL POINT SOURCE EMMITTERS IN THIS AREA TO DRIP ZONE D18. REFER TO LANDSCAPE PLANS FOR SHRUB LOCATIONS.

INSTALL DRIP ZONE ON SLOPE AS SHOWN. START AT TOP OF BANK. REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION.

DRIP MATERIAL LEGEND



811
Know Where Below. Call Before You Dig.

COLE ARCHITECTS
COLE ARCHITECTS | 208 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

TCA
architecture • planning
TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

NOT FOR CONSTRUCTION

City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

PROJECT INFORMATION:

REVISIONS:	
MARK	DATE
DESCRIPTION	

Project Status

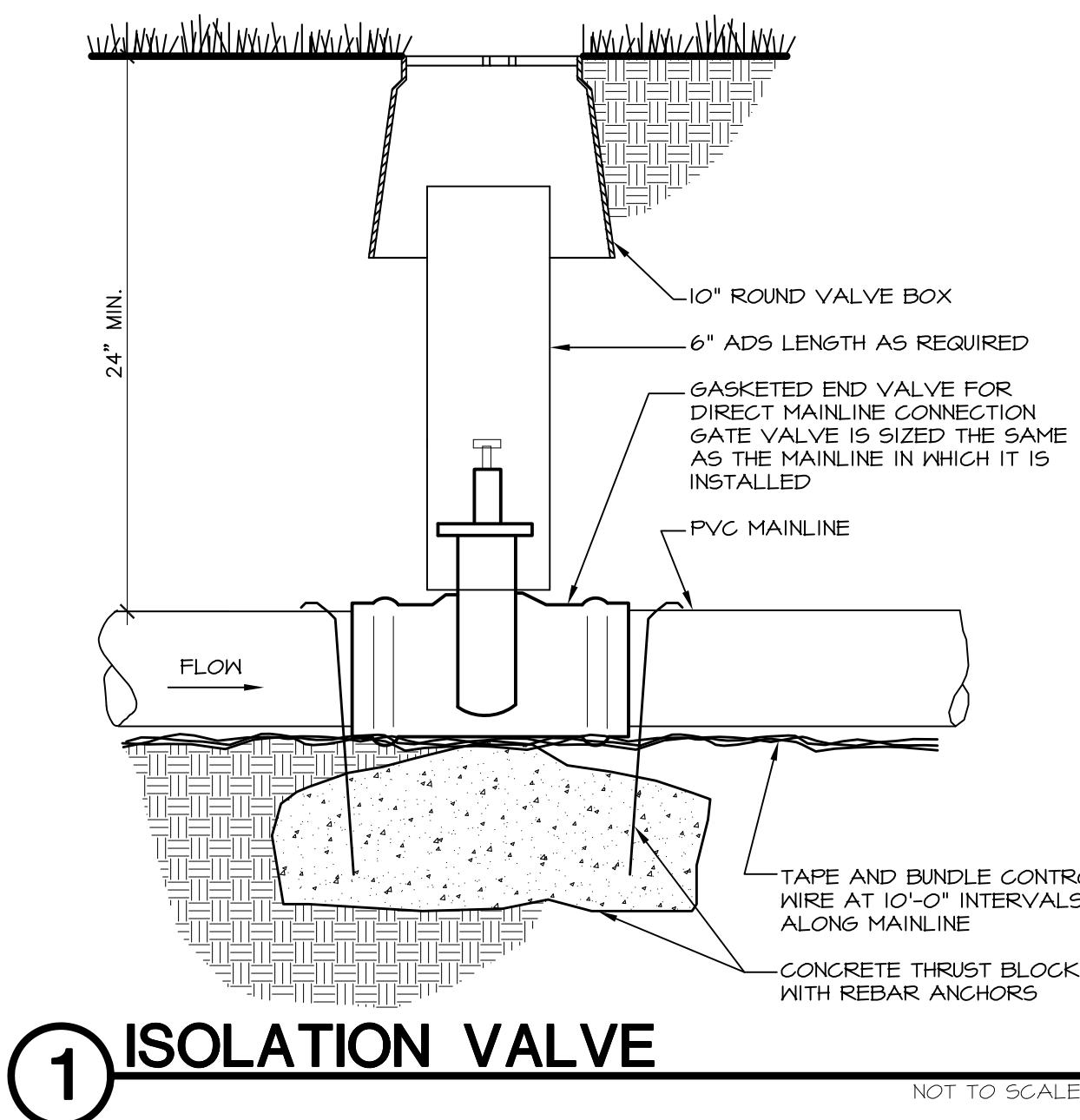
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	JB
DRAWN BY	BS, LP, TC

SHEET NAME:

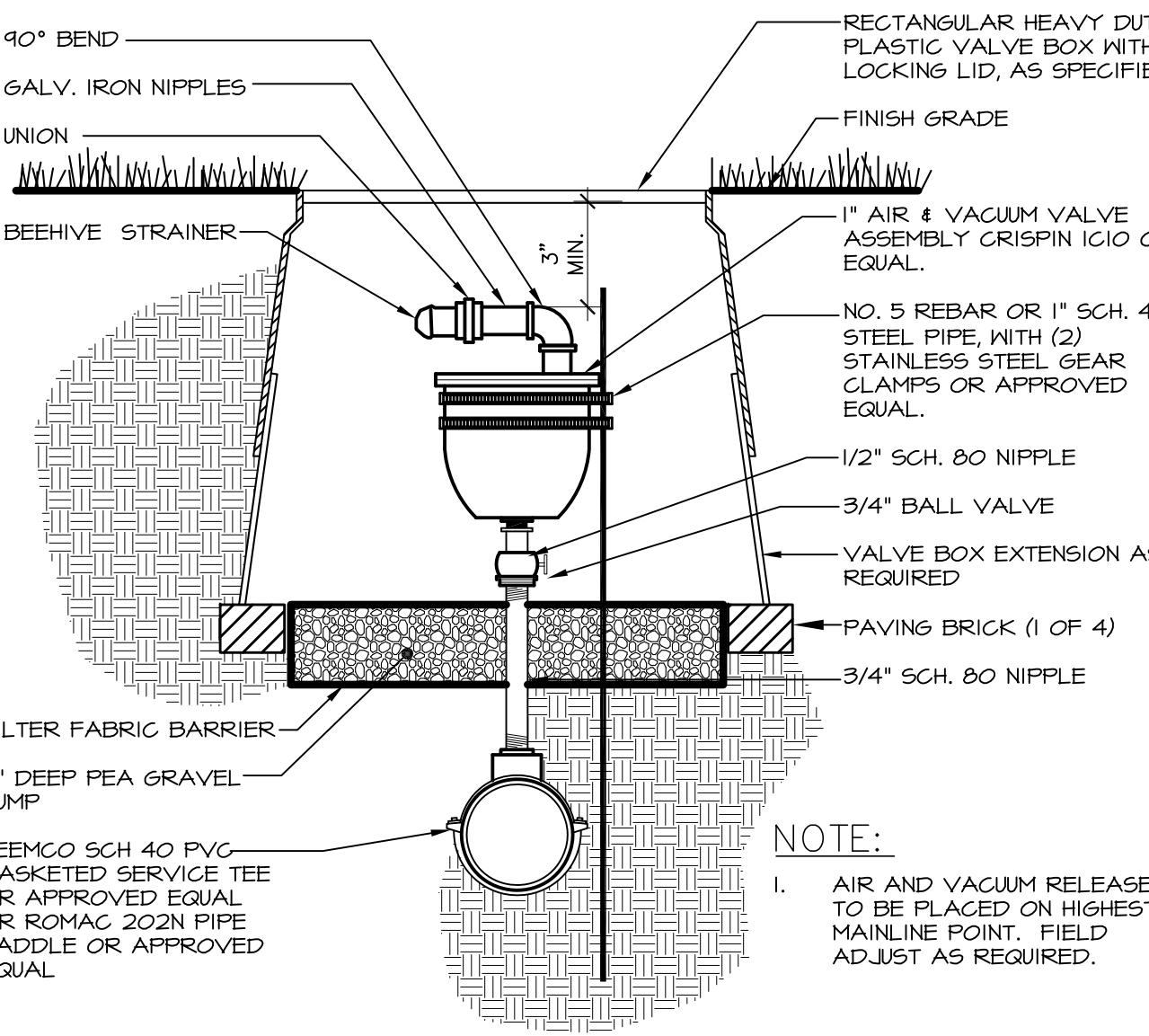
SHEET NUMBER:

L1.80

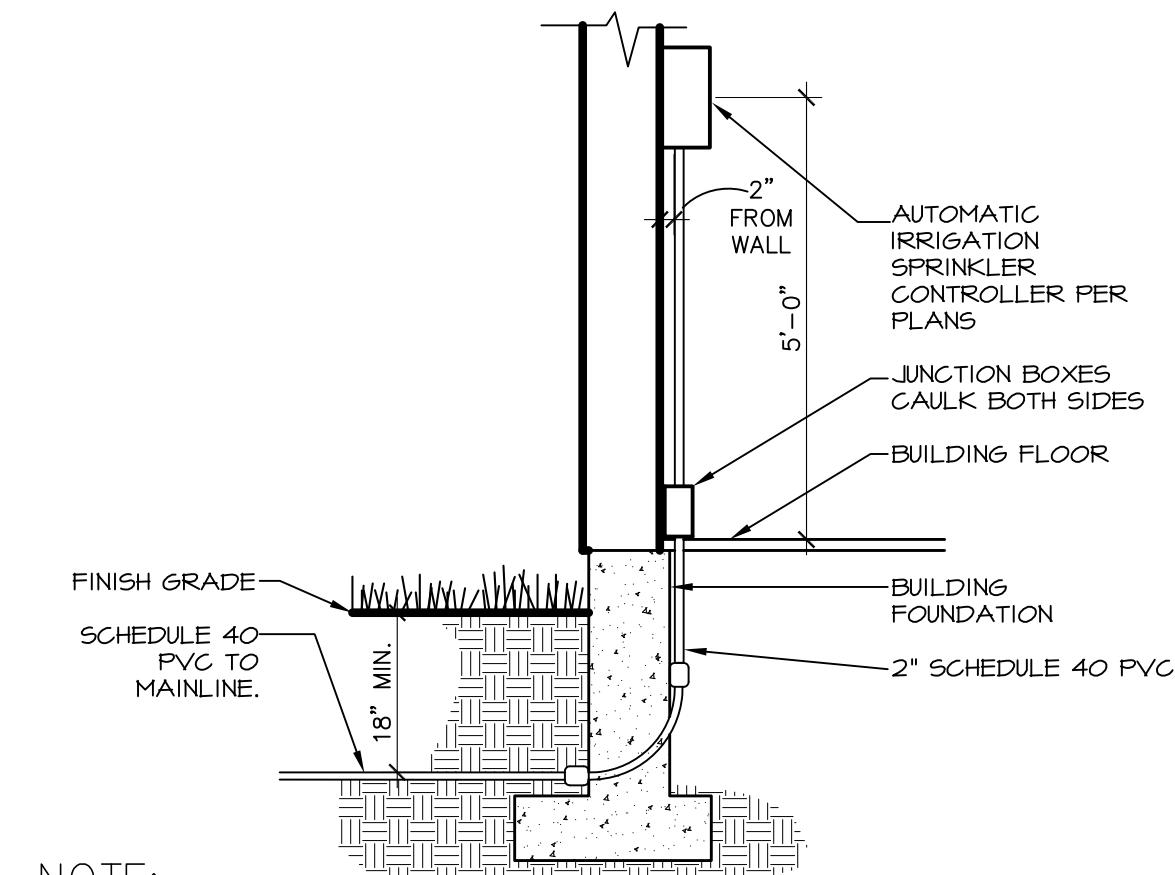
1.29.16



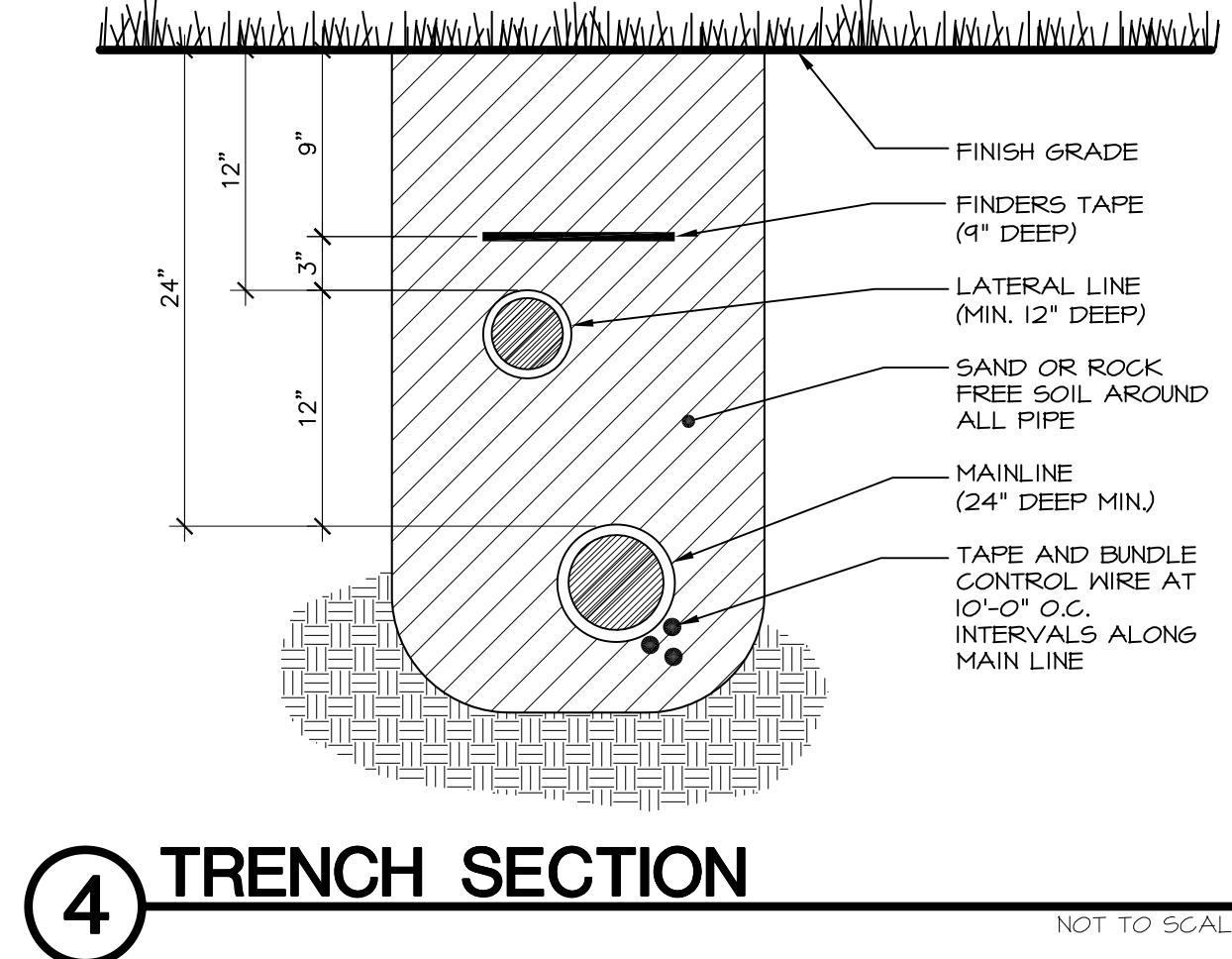
1 ISOLATION VALVE



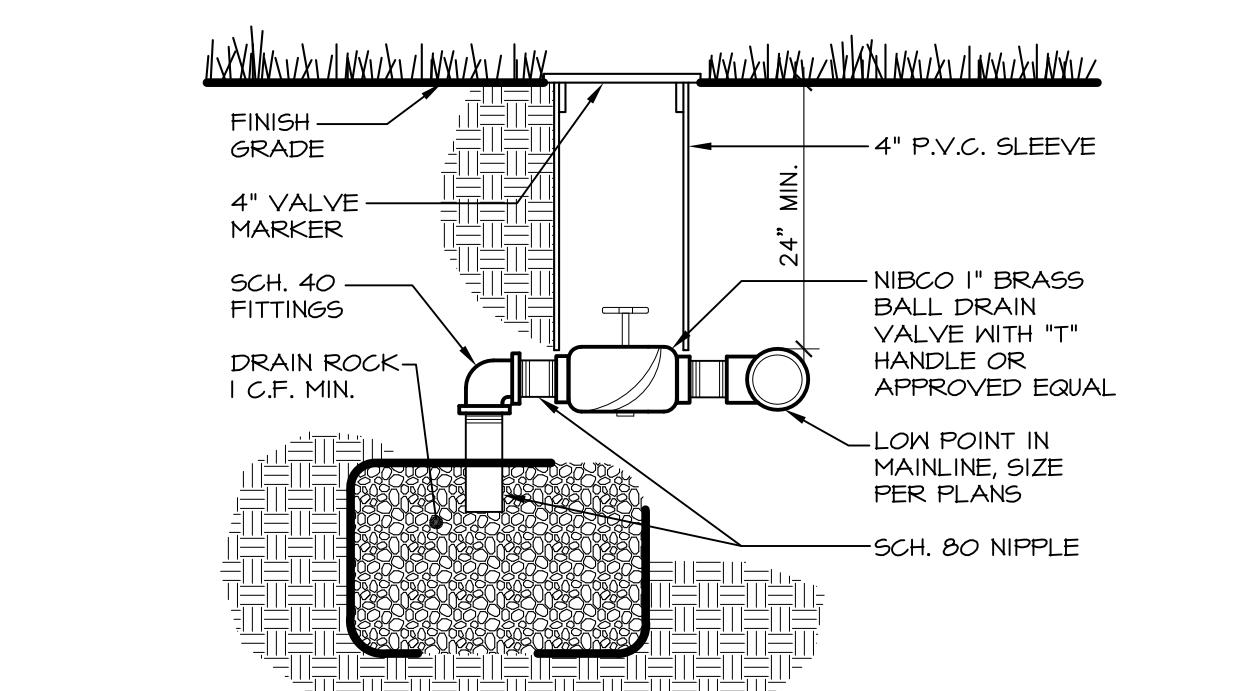
2 AIR RELIEF VALVE



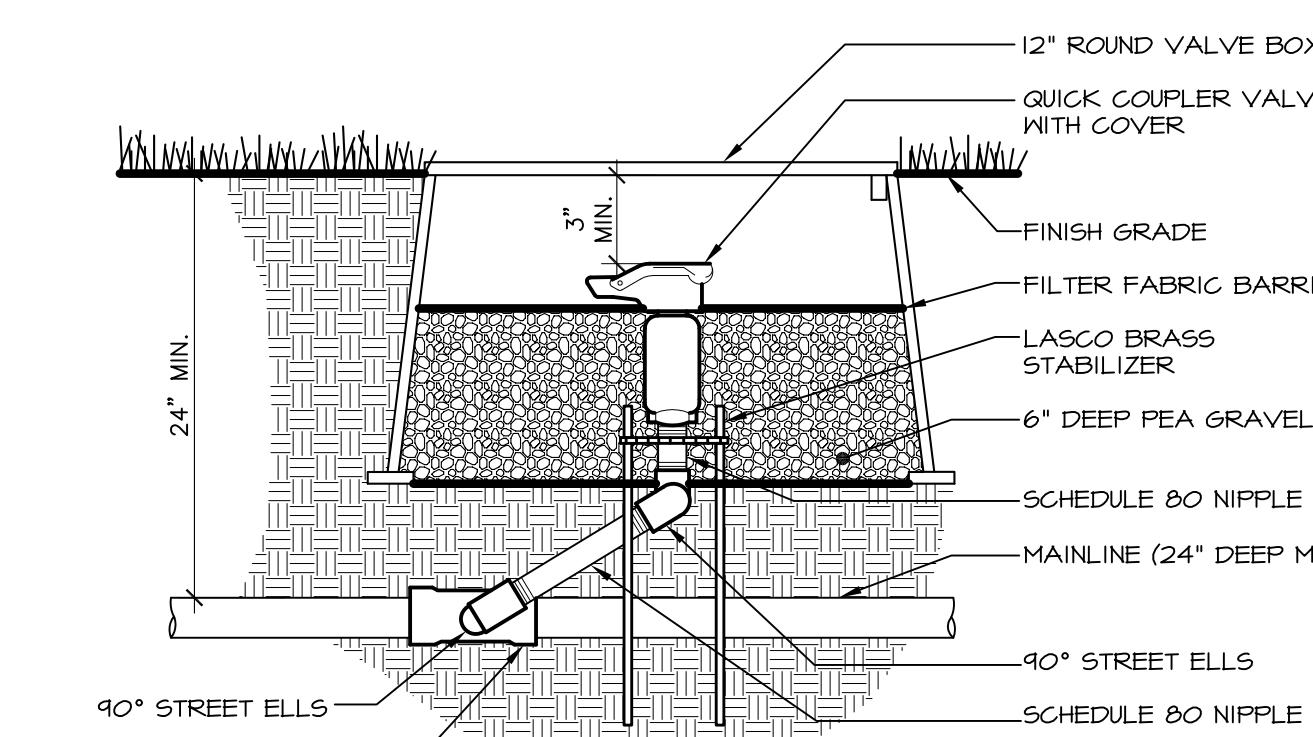
3 AUTOMATIC IRRIGATION CONTROLLER



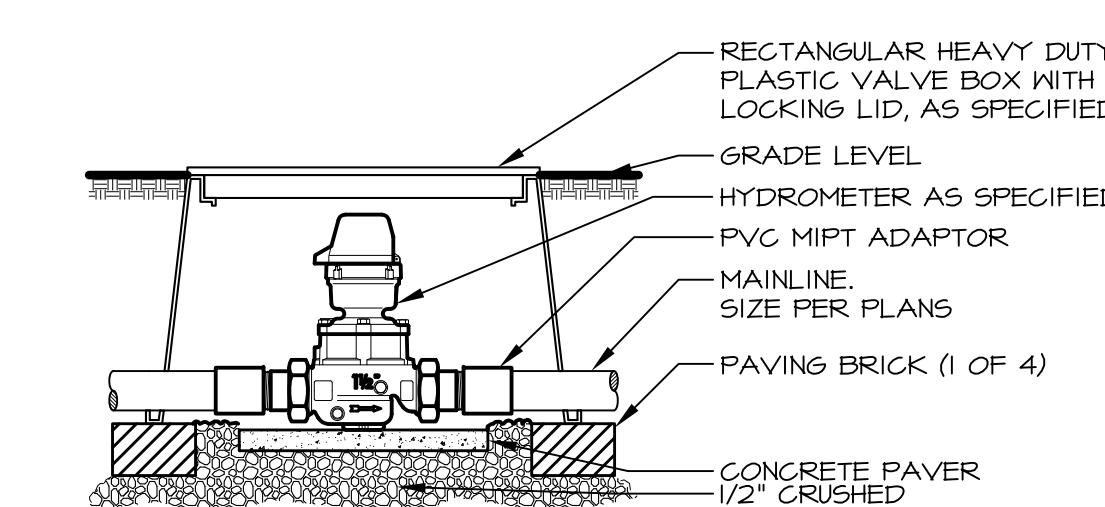
4 TRENCH SECTION



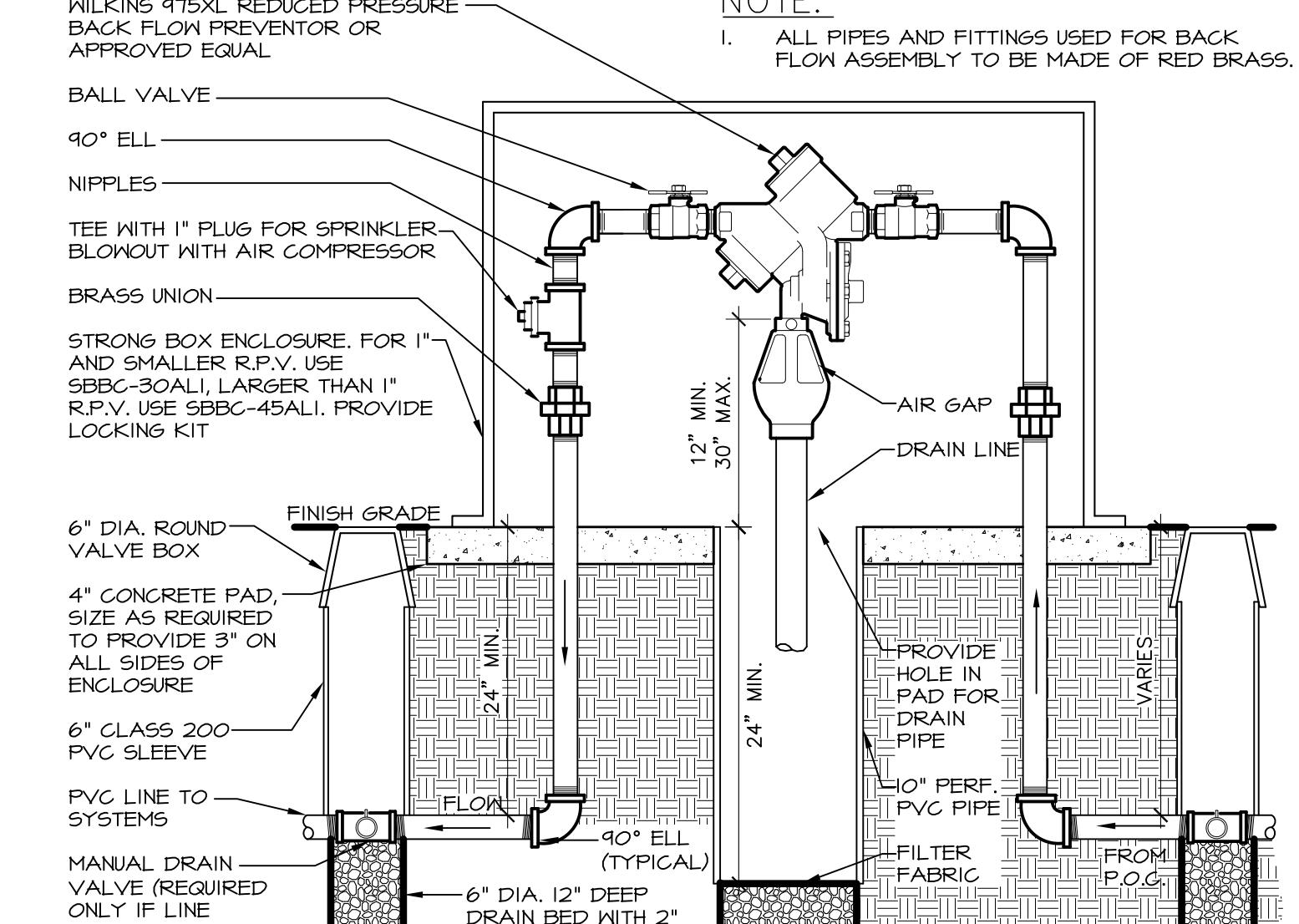
5 MANUAL DRAIN VALVE



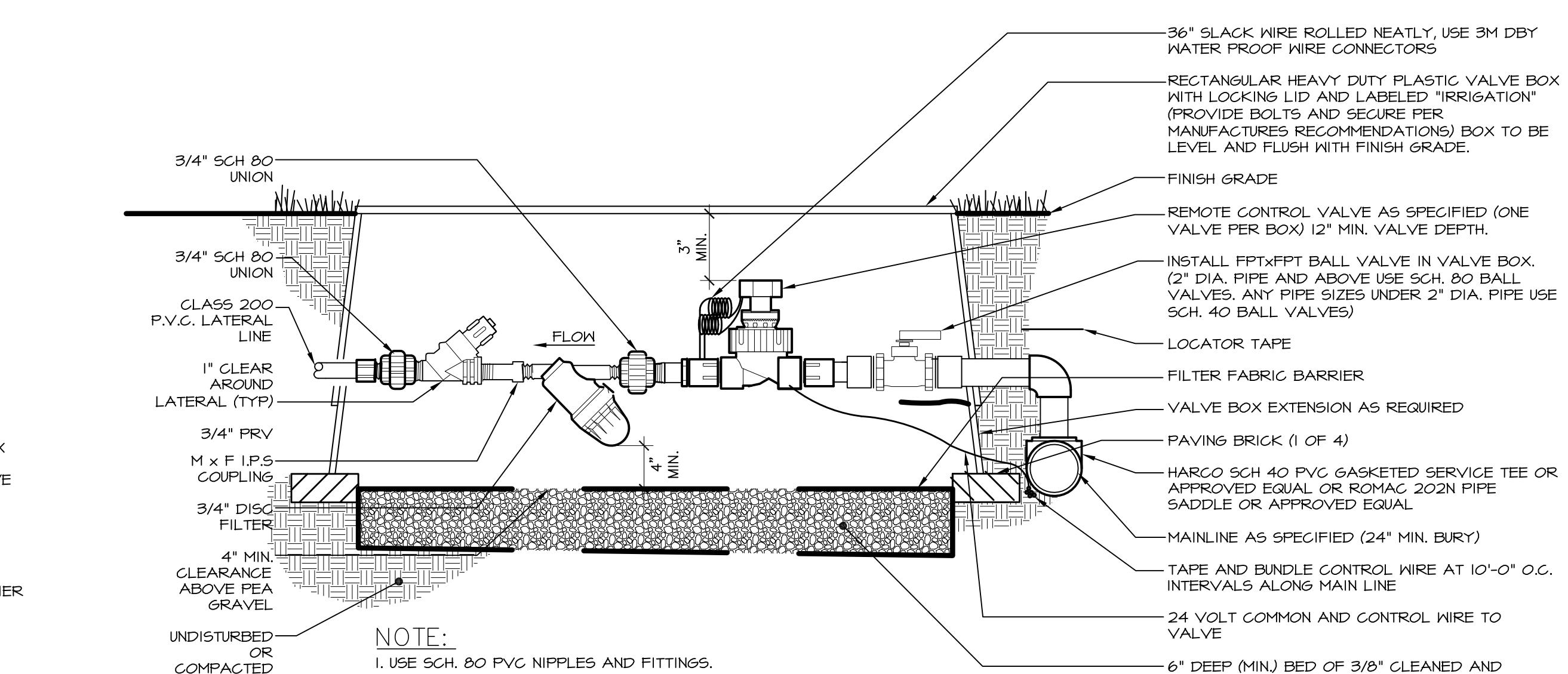
6 QUICK COUPLER VALVE



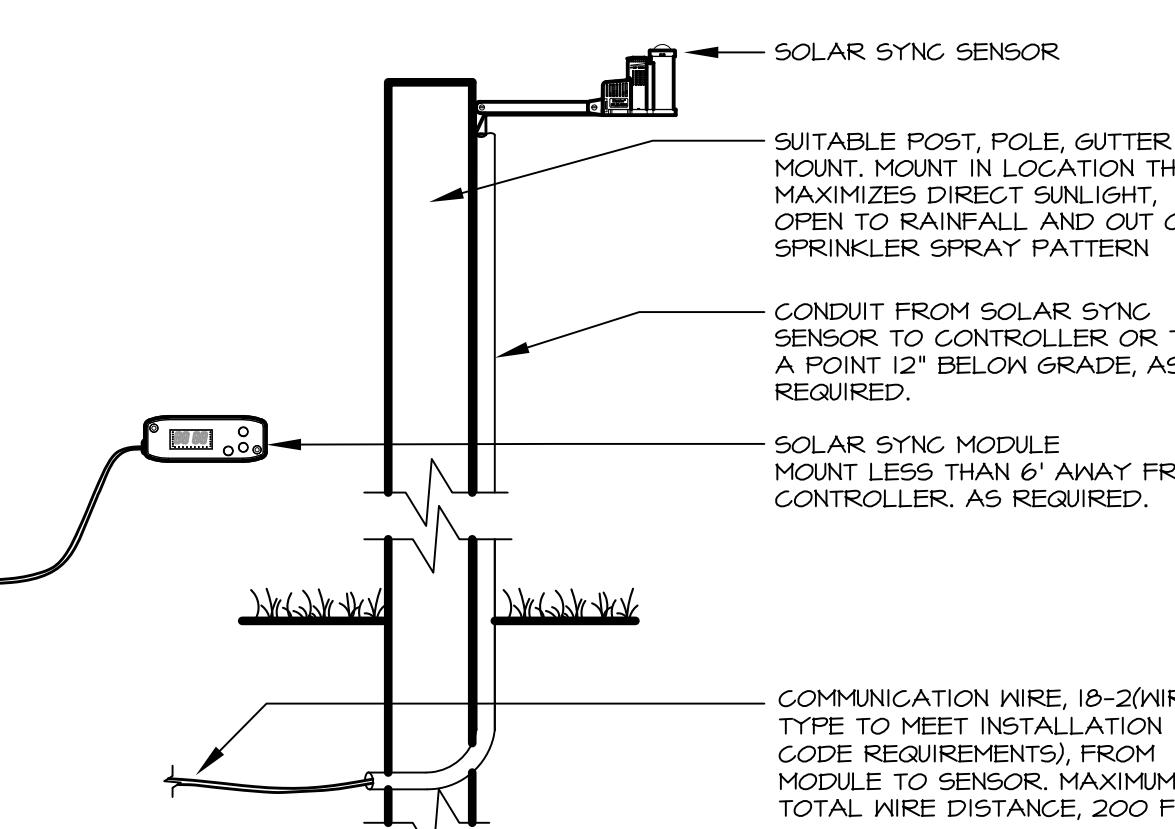
7 MASTER VALVE



3 REDUCED PRESSURE BACK FLOW PREVENTER



9 REMOTE CONTROL VALVE WITH 3/4" FILTER



6 SOLAR SYNC INSTALLATION

811
Know where below.
Call before you dig
Call 2 business days
in advance before
you plan to dig.
Excavate for the
utility lines.
Underground
member utilities.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

TCA
architecture • planning

TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

STAMP:

NOT FOR CONSTRUCTION
STATE OF IDAHO
LANDSCAPE ARCHITECTURE

CONSULTANT:

BRECKON
land design
Landscape Architecture • Erosion & Sediment Control • Geographic Info Systems • Graphic Communication • Water Management • Irrigation Design • Land Planning
www.breckonlanddesign.com
Phone: 208-376-5153
181 East 50th Street
Garden City, Idaho 83714

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:
MARK DATE DESCRIPTION

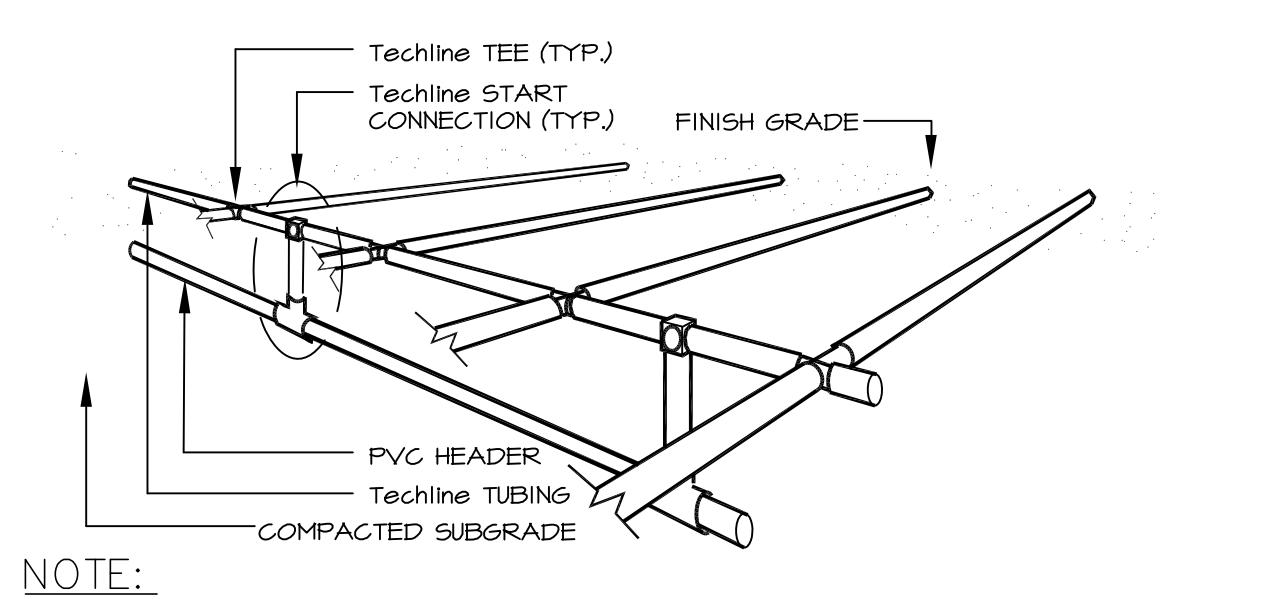
PROJECT PHASE	Project Status
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	JB
DRAWN BY	BS, LP, TC

SHEET NAME:

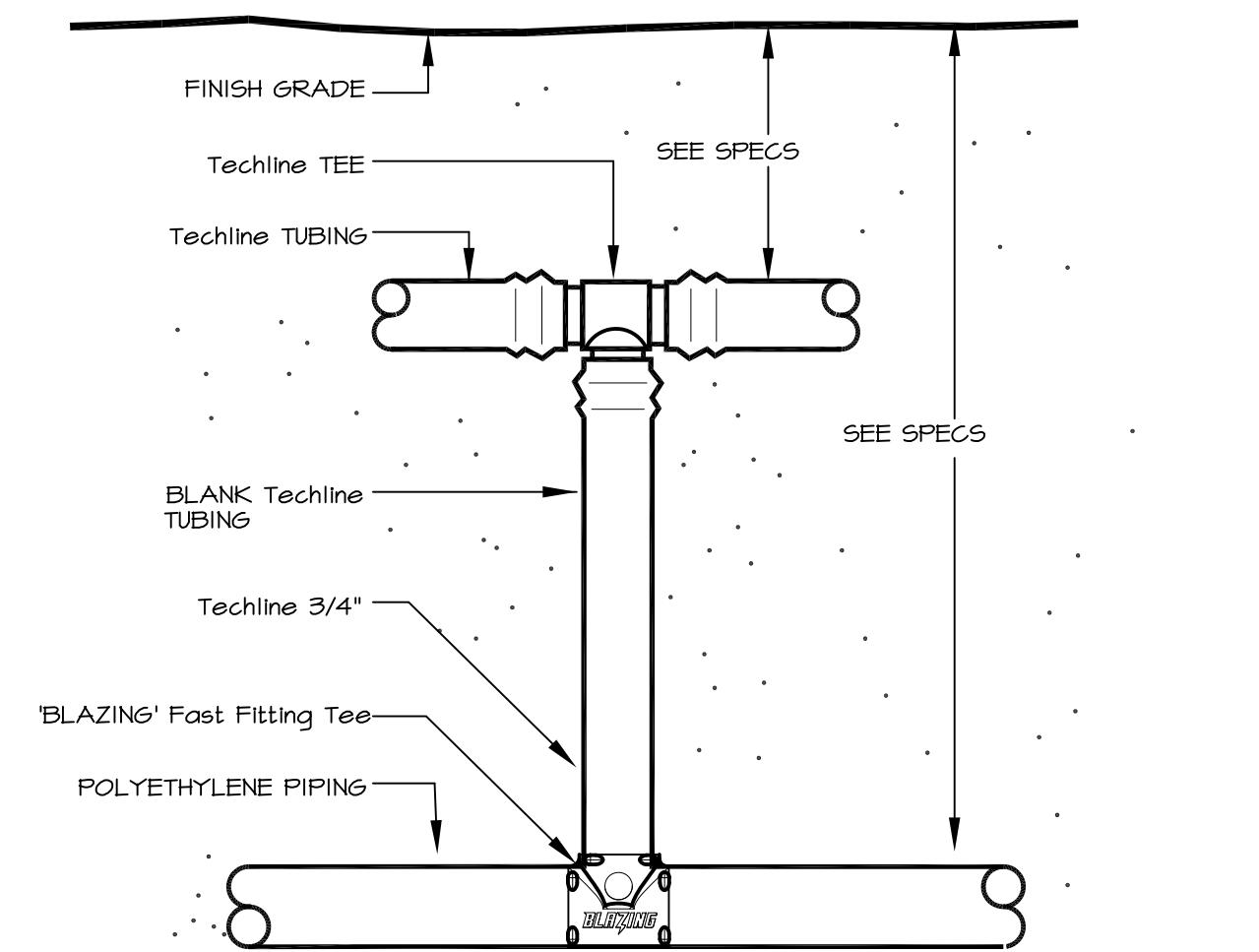
IRRIGATION DETAILS

SHEET NUMBER:

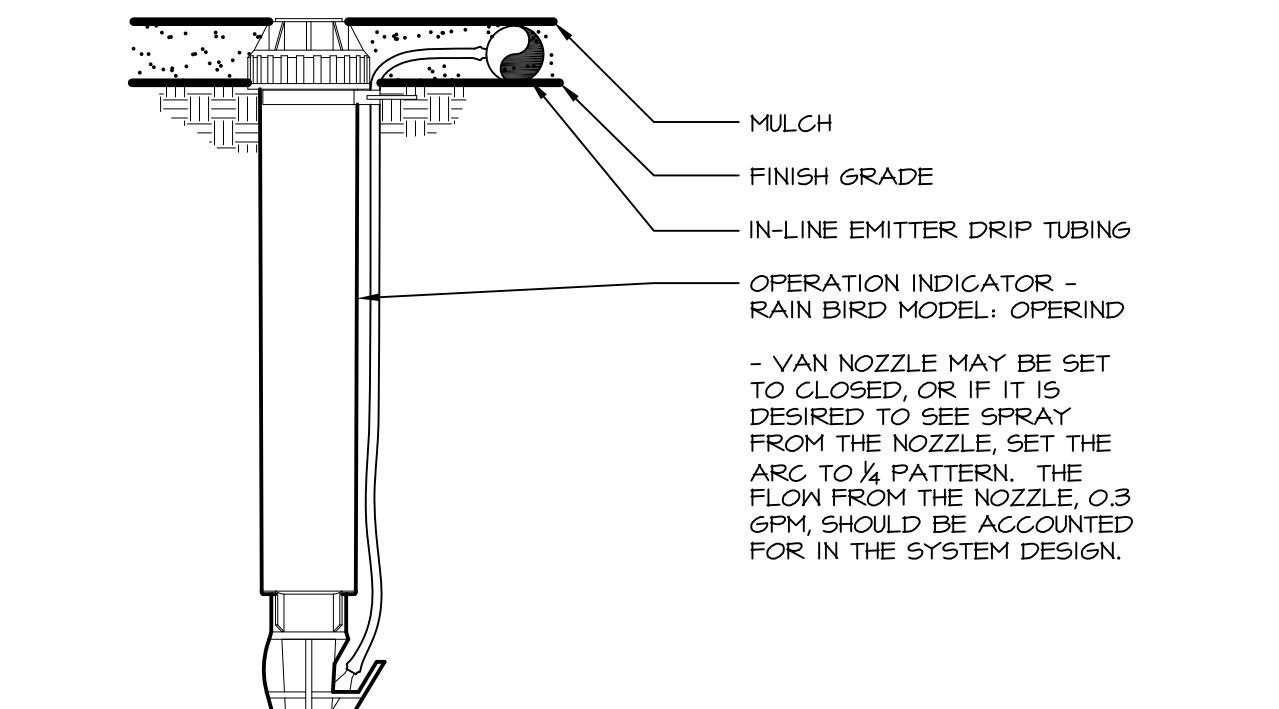
L1.85



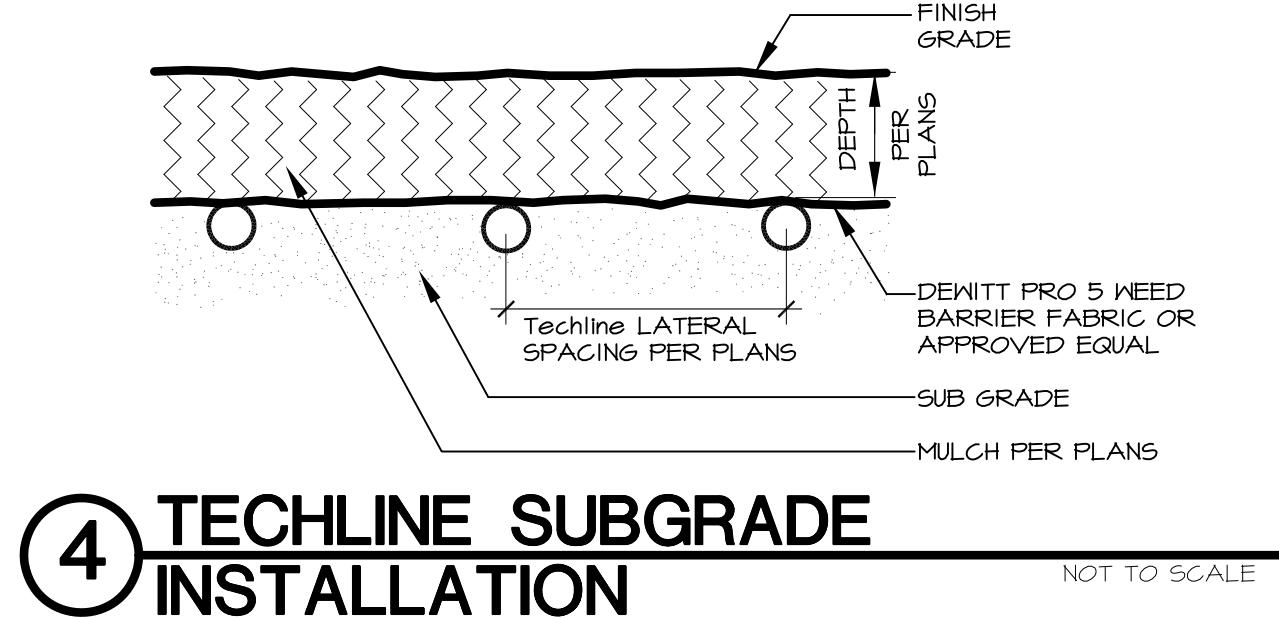
1 TECHLINE SUB-HEADER INSTALLATION



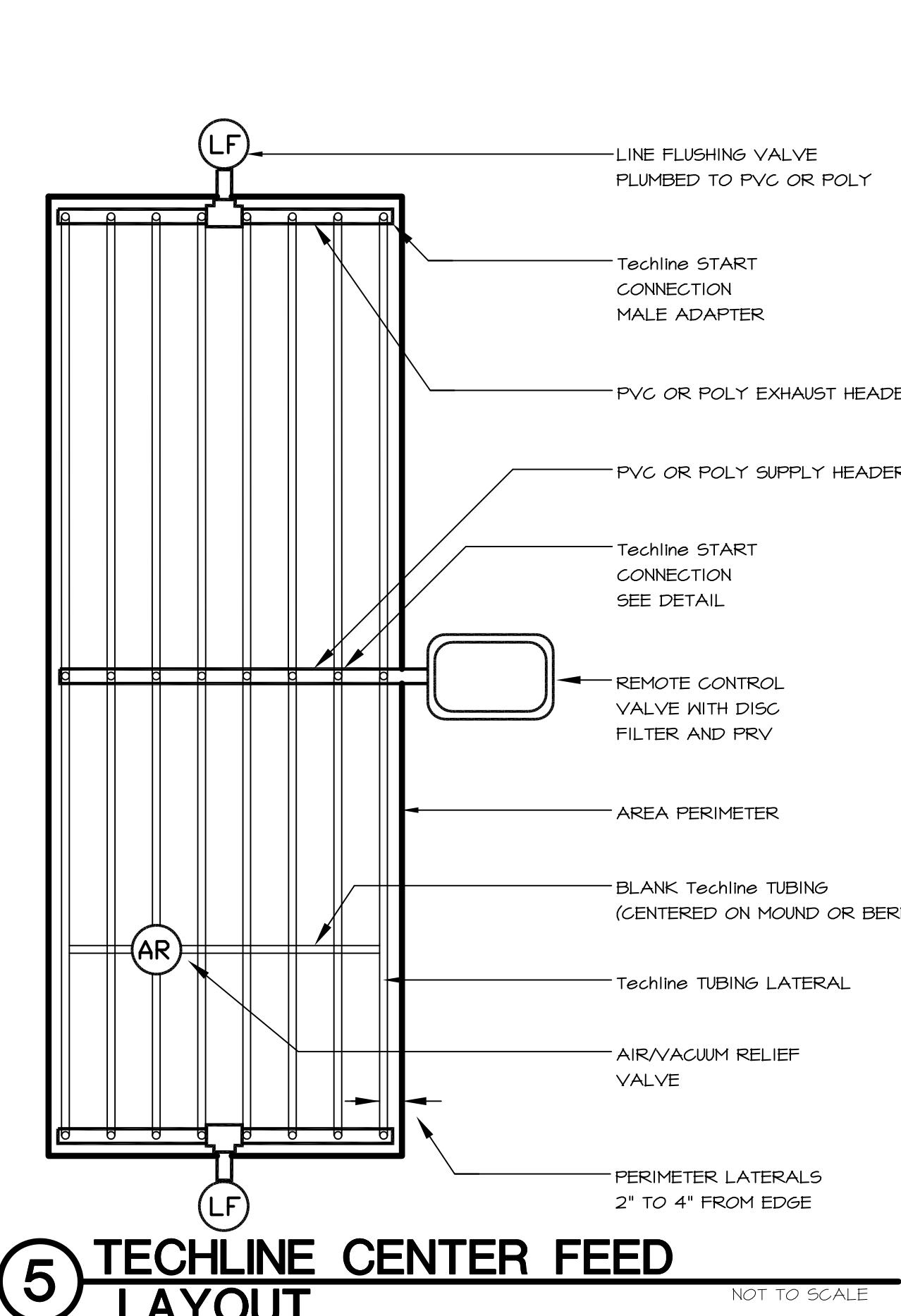
2 TECHLINE START CONNECTION (Lateral Line to Tee)



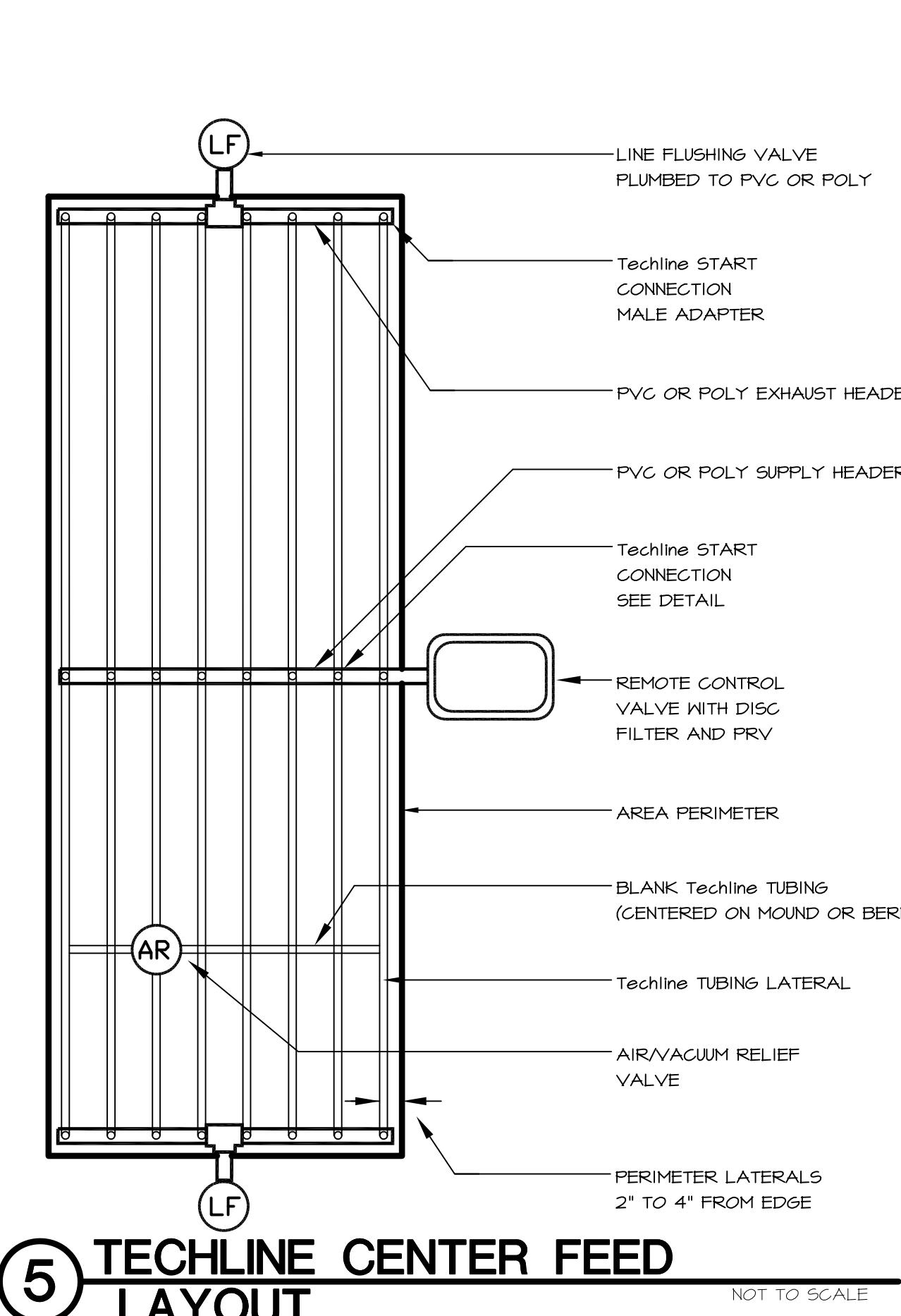
3 OPERATION INDICATOR



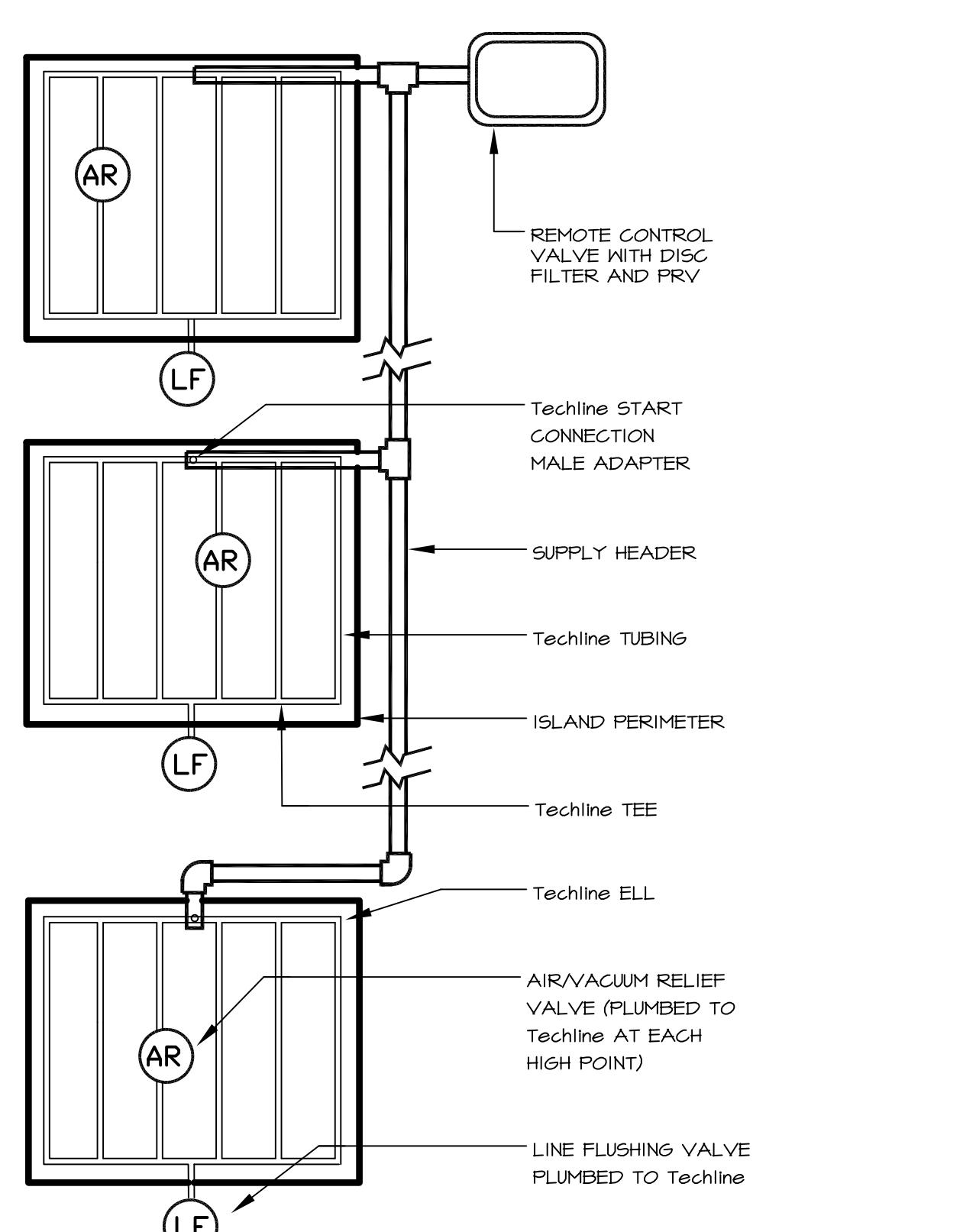
4 TECHLINE SUBGRADE INSTALLATION



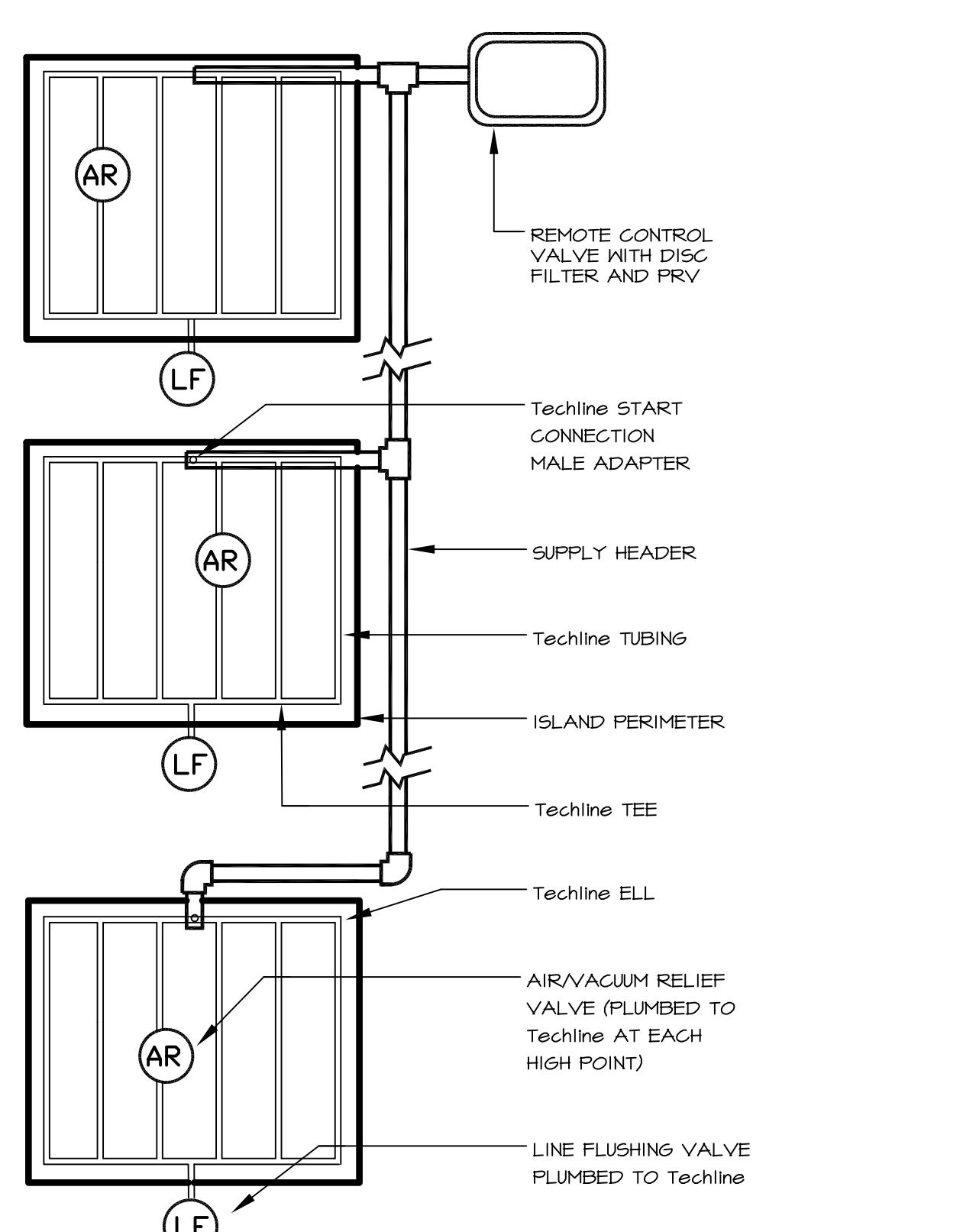
5 TECHLINE CENTER FEED LAYOUT



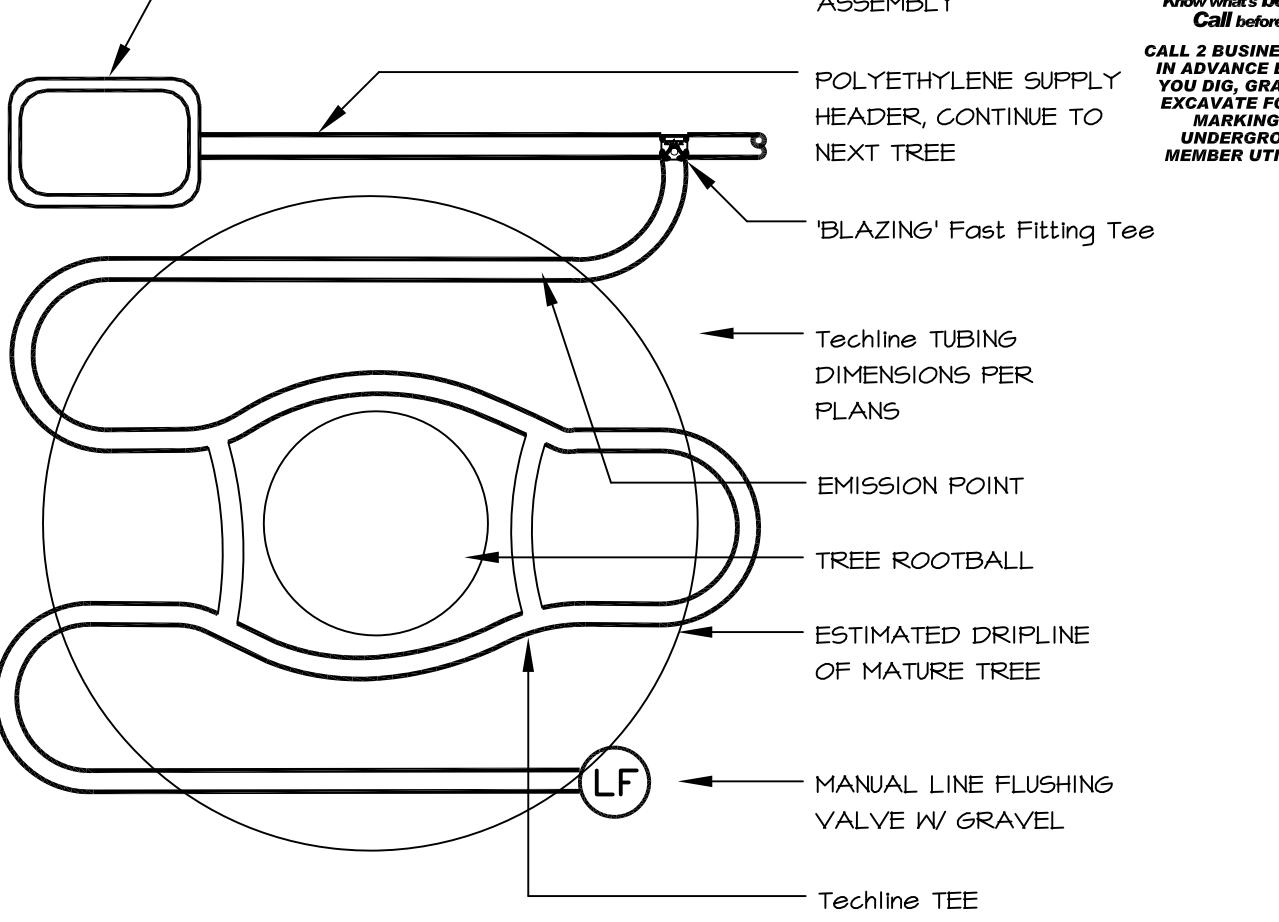
6 TECHLINE END FEED LAYOUT



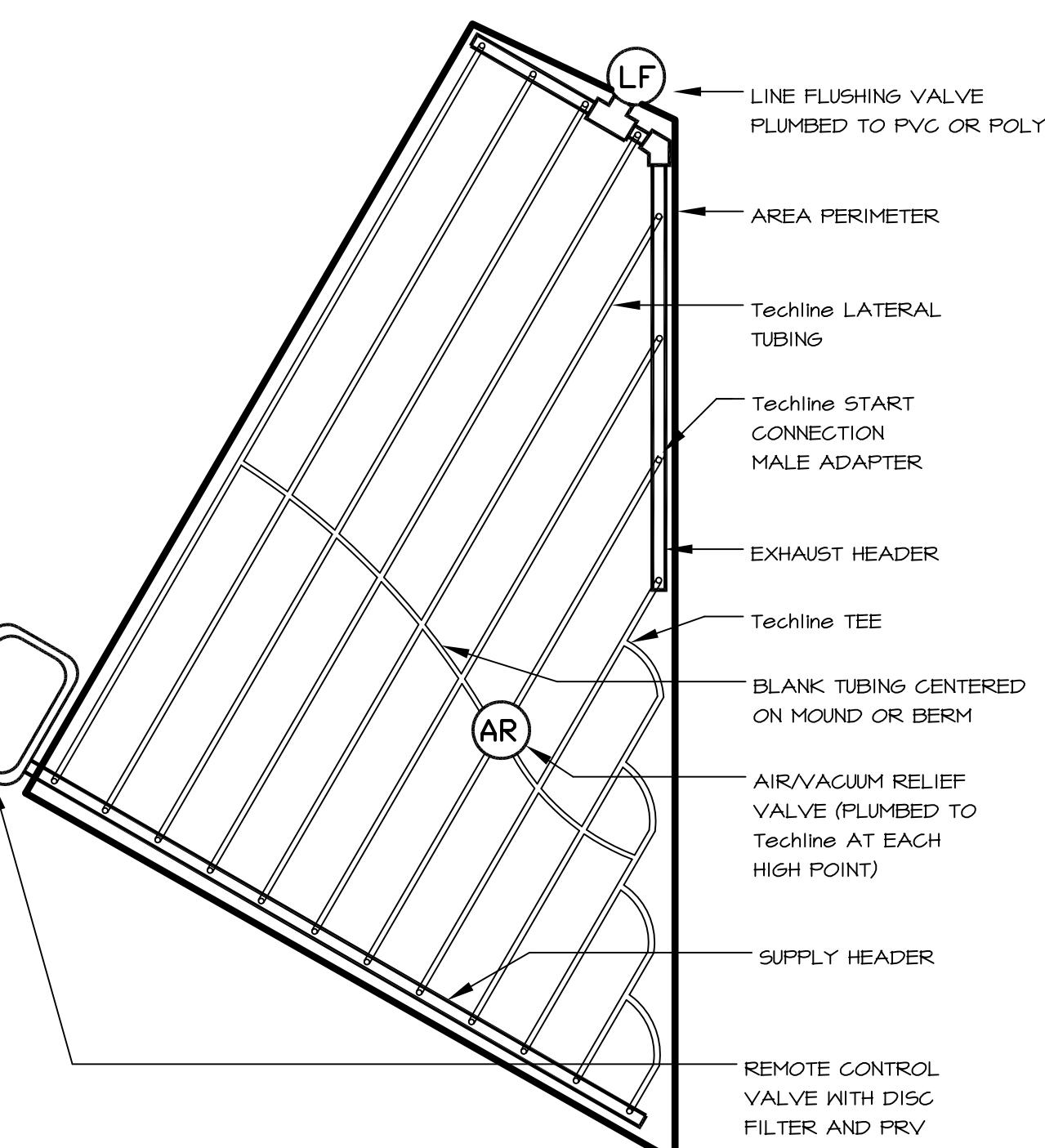
7 TECHLINE ISLAND LAYOUT



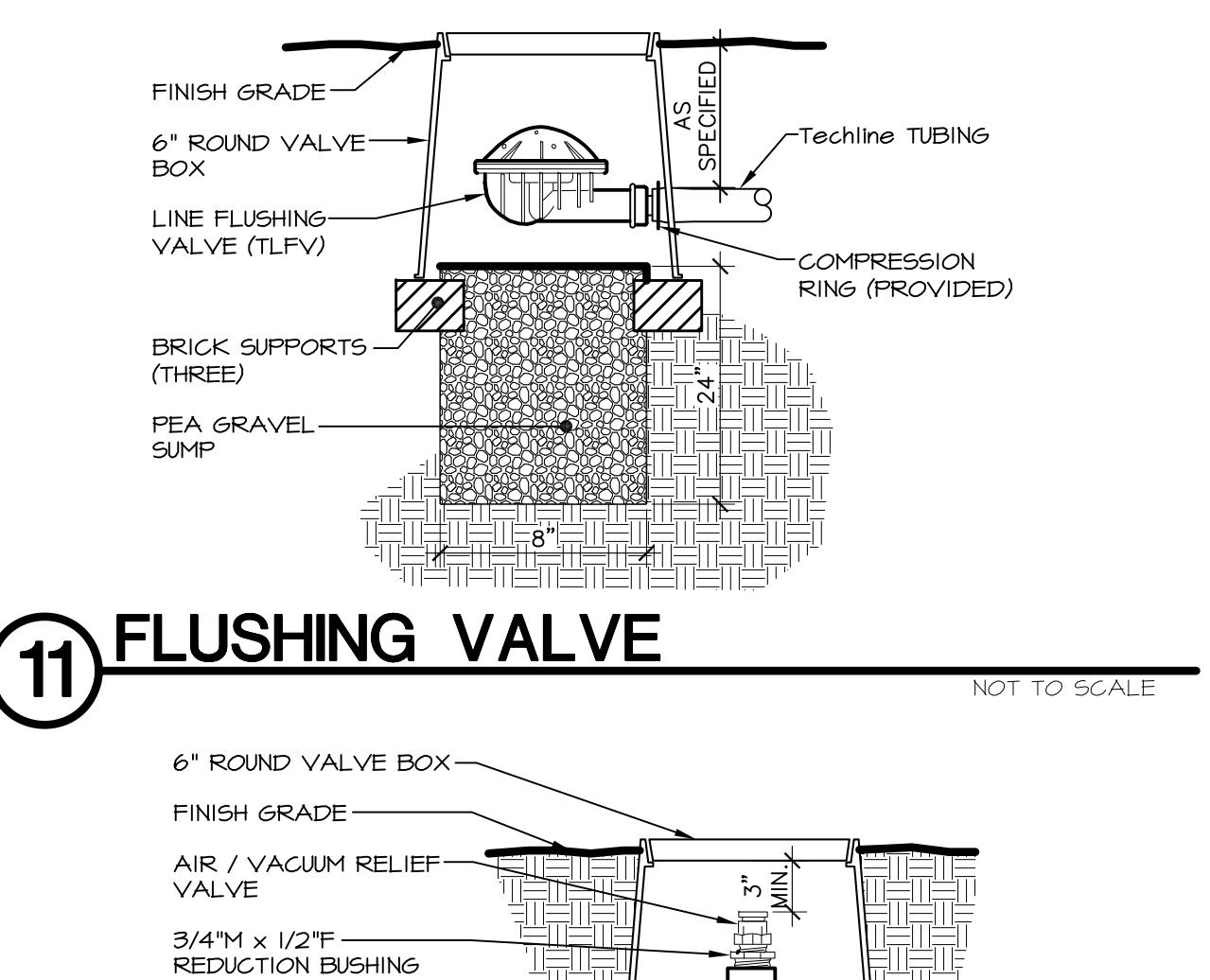
8 TECHLINE CURVED AREA LAYOUT



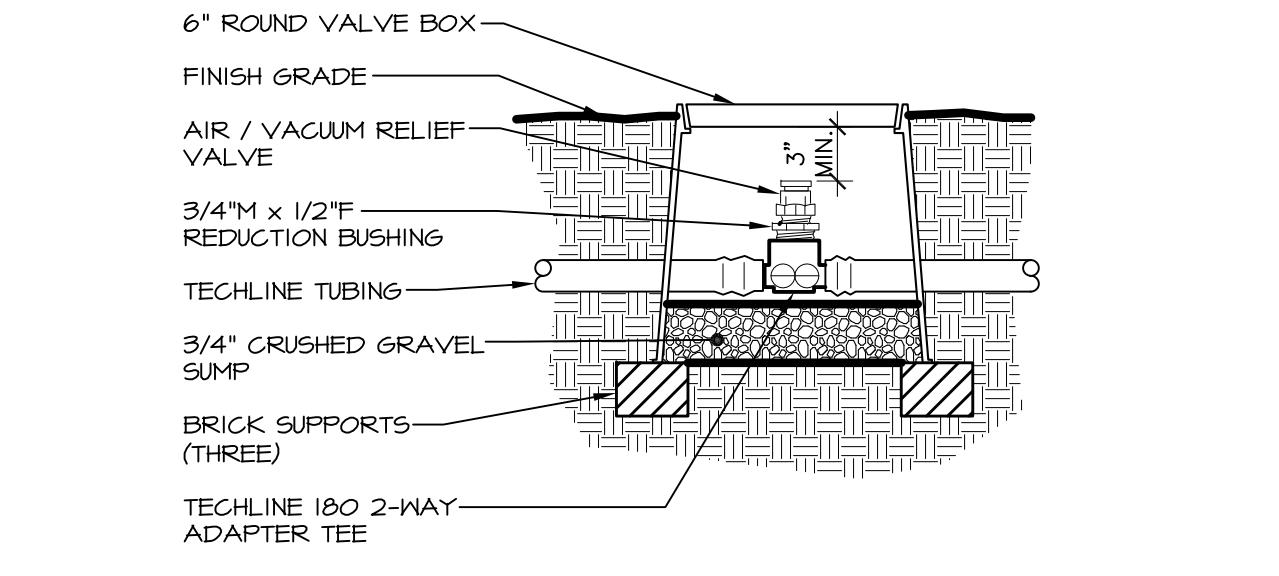
9 TECHLINE TUBING & ASSESORY FOR TREE PLANTING



10 TECHLINE TRIANGULAR LAYOUT

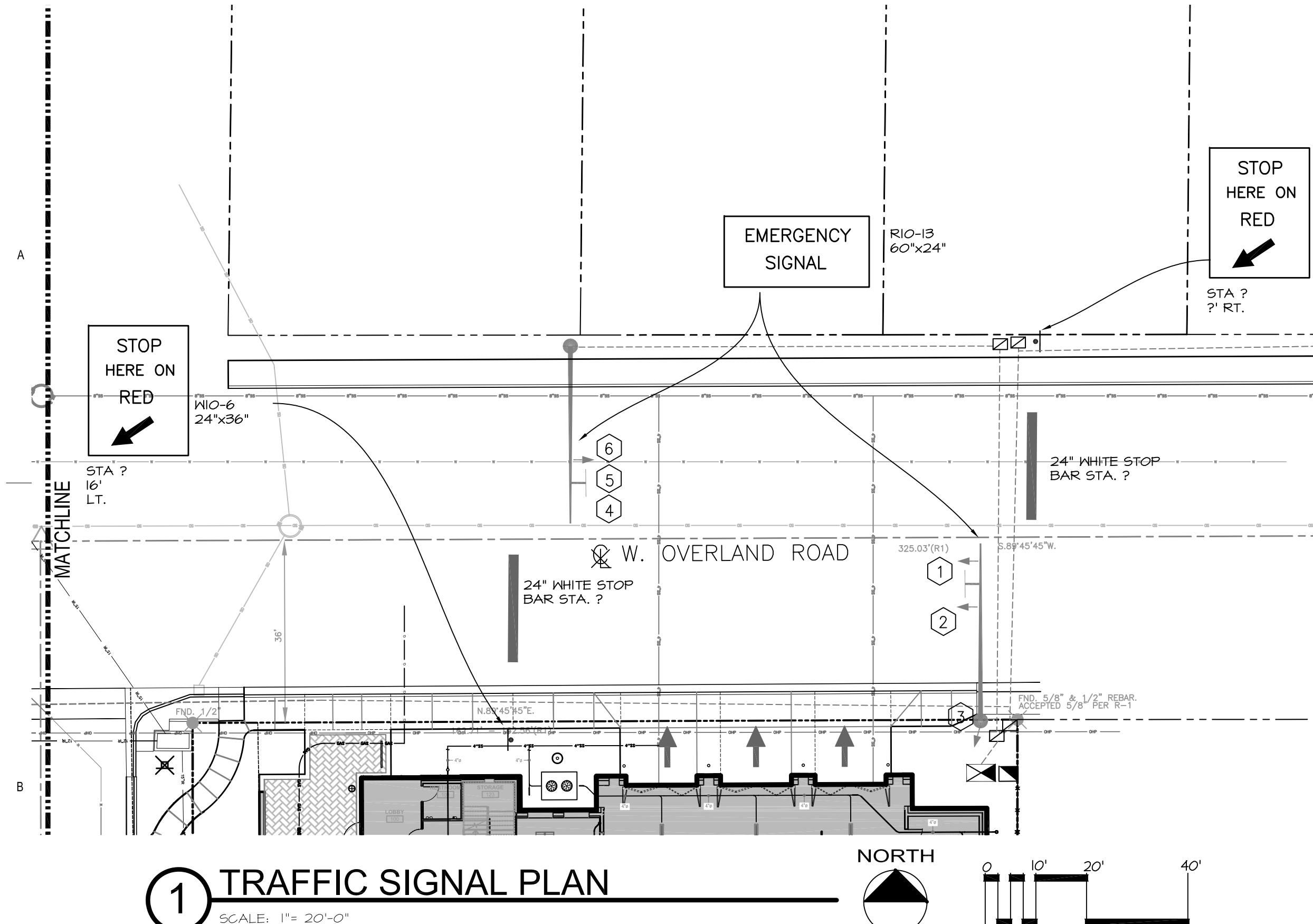


11 FLUSHING VALVE

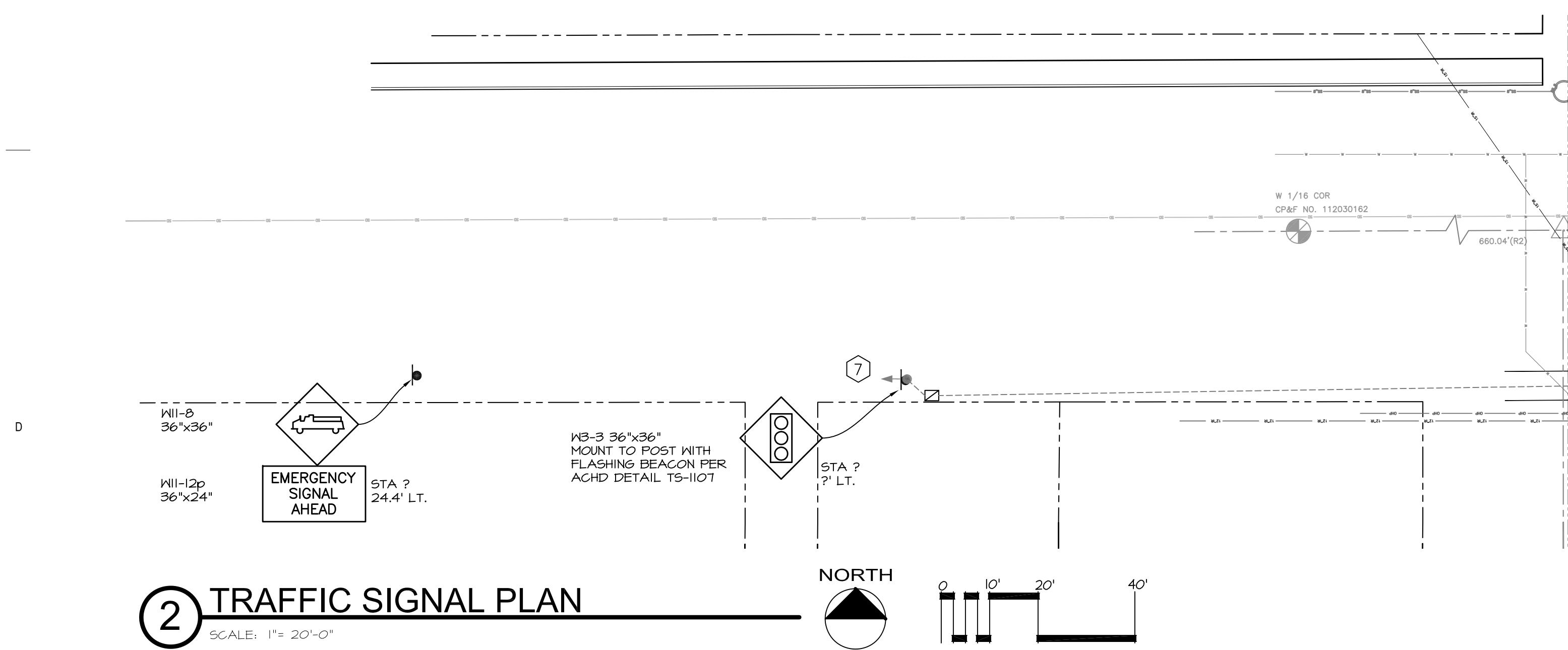


12 AIR / VACUUM RELIEF VALVE

COLE ARCHITECTS Cole Architects 802 W. BANNOCK SUITE 208 Boise, ID 83702 (208) 345-1800					
811 Know Where Below, Call Before You Dig CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG EXCAVATE FOR THE SAFETY OF YOUR UNDERGROUND MEMBER UTILITIES					
T C A architecture • planning TCA 811 Roosevelt Way NE Seattle, WA 98115 (208) 522-3820 STAMP: 					
BRECKON Landscape Architecture • Erosion & Sediment Control • Geographic Info Systems • Graphic Communication • Water Management • Irrigation Design • Land Planning www.breckonlanddesign.com Fax: 208-376-6528 Phone: 208-376-5153 181 East 50th Street Garden City, Idaho 83714					
CONSULTANT: 					
PROJECT INFORMATION: 					
City of Boise Fire Station 8 3575 W. Overland Rd. Boise, ID 83705					
REVISIONS: <table border="1"> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </table>			MARK	DATE	DESCRIPTION
MARK	DATE	DESCRIPTION			
PROJECT PHASE Project Status PROJECT NUMBER 15045 PROJECT MANAGER R. TeBeau PROJECT ARCHITECT R. TeBeau DESIGN JB DRAWN BY BS, LP, TC					
SHEET NAME: IRRIGATION DETAILS SHEET NUMBER: L1.86					



SIGNAL MATERIALS							
POLE No.	POLE TYPE	SIGNAL ARM	LUMINAIRE	SIGNAL MOUNTING FLANGE	SIGNAL MOUNTING BRACKET	SIGNAL FIXTURE	REMARKS
"A"	SIGNAL STANDARD 18' POLE HEIGHT	INSTALL 35' M.A.		3.5' from End of Mast Arm 12.5' from End of Mast Arm Pole Mounted	Astro Bracket Astro Bracket Arm Set	1W3C (1) 1W3C (2) 1W3C (3)	R10-13
"B"	SIGNAL STANDARD 18' POLE HEIGHT	INSTALL 20' M.A.		5.0' from End of Mast Arm 14.0' from End of Mast Arm Pole Mounted	Astro Bracket Astro Bracket Arm Set	1W3C (4) 1W3C (5) 1W3C (6)	R10-13
"C"	HAZARD BEACON 10' POLE HEIGHT			Top Mounted		1W5C (7)	W3-3
"D"	HAZARD BEACON 10' POLE HEIGHT			Top Mounted		1W5C (8)	W3-3



RUN	CONDUIT	POWER SCHEDULE	
		CONDUCTORS	
1	1-2" RCP	3-#0 (POWER)	
2	1-2" RCP	2-#6 (POWER)	1-#6 GROUND
3	1-2" RCP	1-12C (VEHICLE)	1-#6 GROUND
4	1-2" RCP	1-12C (VEHICLE)	1-#6 GROUND
5	1-2" RCP	1-12C (VEHICLE)	1-#6 GROUND
	1-2" RCP	SPARE (INSTALL PULL WIRE)	
6	1-2" RCP	1-12C (VEHICLE)	1-#6 GROUND
7	1-2" RCP	1-2C (PUSH BUTTON)	
8	1-2" RCP	2-5C (VEHICLE), 1-#6 GROUND	
	1-2" RCP	SPARE (INSTALL PULL WIRE)	
10	1-2" RCP	2-5C (VEHICLE), 1-#6 GROUND	
	1-2" RCP	SPARE (INSTALL PULL WIRE)	
11	1-2" RCP	1-5C (FLASHER)	1-#6 GROUND

SIGNAL SEQUENCE

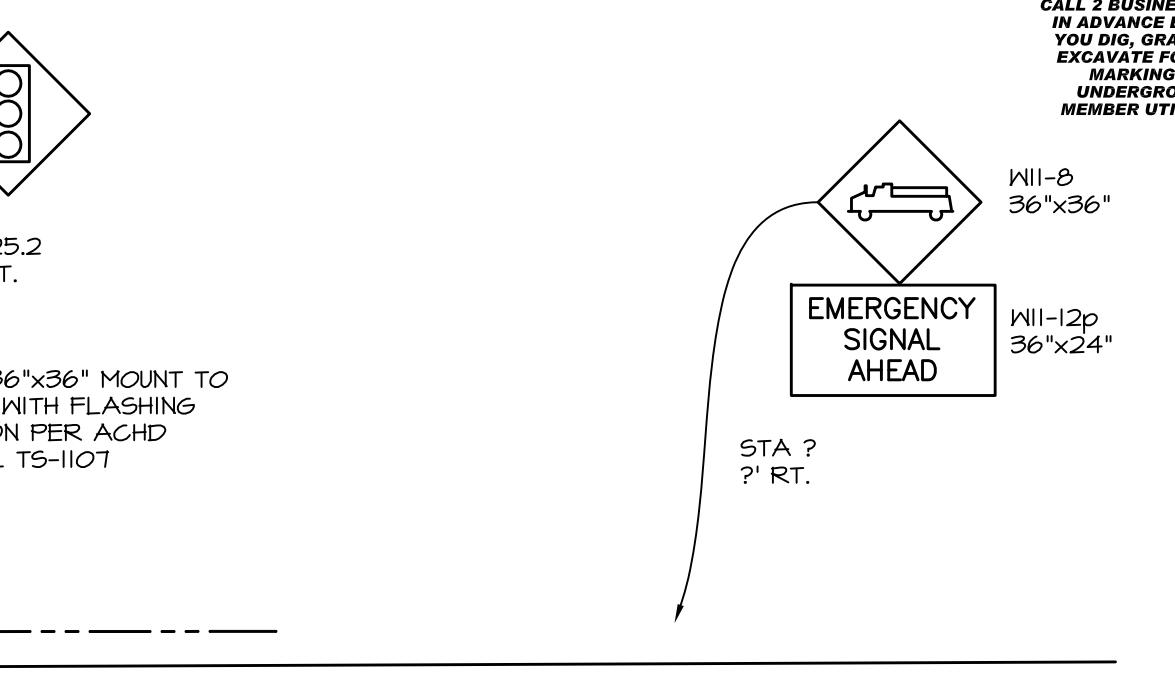
- HEADS 1, 2, 4, AND 5 FLASHING YELLOW HEADS 3 AND 6 SOLID RED.
- HEADS 1, 2, 4, AND 5 SOLID YELLOW HEADS 3 AND 6 SOLID RED.
- HEADS 1, 2, 4, AND 5 SOLID RED HEADS 3 AND 6 SOLID GREEN.
- HEADS 1, 2, 4, AND 5 SOLID RED HEADS 3 AND 6 SOLID YELLOW.

TRAFFIC SIGNAL NOTES

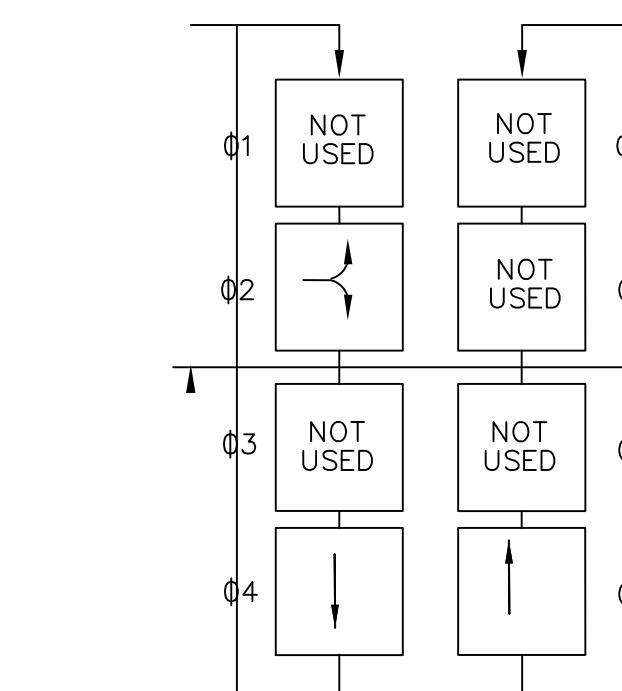
- ALL TRAFFIC SIGNAL SYSTEMS AND ELECTRICAL SYSTEMS SHALL CONFORM TO SECTION 1100 OF THE ACHD STANDARD SPECS.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST REVISIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI.
- JUNCTION BOXES, LOOP DETECTOR INSTALLATION, LOOP SPACING INTERVALS, LOOP COLOR CODE DESIGNATIONS, MAST ARM AND SIGNAL POLES, PEDESTRIAN POLES AND CONTROLLER CABINET/SERVICE PEDESTAL FOUNDATION SHALL CONFORM TO THE TYPICAL DETAILS SHOWN IN SECTION 1100 OF THE ACHD STANDARD SPECS.
- LOCATING OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES SUCH AS PIPELINES, CONDUITS, CABLES, ETC. SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT IS NOT THE INTENT OF THESE PLANS TO SHOW THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES WITH THE RESPECTIVE OWNERS. EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWING. PRIOR TO THE START OF CONSTRUCTION, ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
- THE LOCATIONS OF THE NEW TRAFFIC SIGNAL STANDARDS, PULL BOXES, CONDUITS AND LOOP DETECTORS SHALL BE STAKED OUT IN THE FIELD BY THE CONTRACTOR AND APPROVAL SHALL BE FROM THE ENGINEER PRIOR TO CONSTRUCTION AND INSTALLATION.
- NO INTERFERENCE OF TRAFFIC AND PEDESTRIANS THROUGH THE CONSTRUCTION AREA SHALL BE IN ACCORDANCE WITH PART VI OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES." THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE BARRICADES, BARRELS, CONES, FLASHERS, CONSTRUCTION SIGNS, ETC. FOR THE SAFETY OF THE TRAVELING PUBLIC.
- CONTRACTOR SHALL MAINTAIN 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. MINIMUM LANE WIDTH SHALL BE 10 FEET.
- ALL SIGNS INSTALLED ON SIGNAL MAST ARMS SHALL BE MADE WITH DIAMOND GRADE VIP REFLECTIVE SHEETING AND SHALL BE PAINTED BY CONTRACTOR.
- SIGNAL FOUNDATION PLATES SHALL BE SET PER TS-1100 FOR SIGNAL FOUNDATION PLATES IN PAVED AREAS.
- CONDUIT LOCATIONS ARE SHOWN SCHEMATICALLY FOR CLARITY. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD. ALL CONDUITS SHALL BE IN THE RIGHT-OF-WAY.
- ALL CONDUIT CROSSING ROAD SHALL BE BORED UNDER THE TRAVEL WAY.

LEGEND

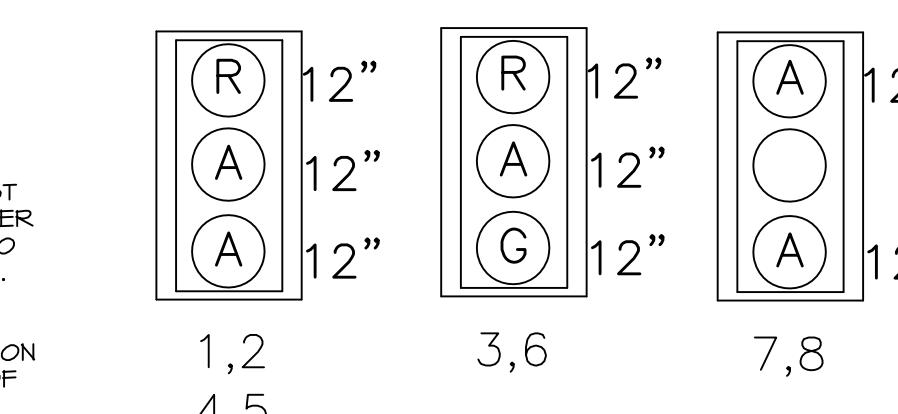
- [Icon] PULL BOX (TYPE S40T/ADA)
- [Icon] PULL BOX (TYPE S45T/ADA)
- [Icon] PULL BOX (TYPE S55T)
- [Icon] SIGNAL POLE AND MAST ARM
- [Icon] SIGNAL HEAD NUMBER
- [Icon] LUMINAIRE
- [Icon] SIGNAL HEAD
- [Icon] EMERGENCY PRE-EMPTION DETECTOR
- [Icon] MAST ARM MOUNTED SIGN
- [Icon] SERVICE PEDESTAL
- [Icon] CONTROLLER CABINET
- [Icon] CONDUIT RUN
- [Icon] CONDUIT NUMBER



PHASING DIAGRAM

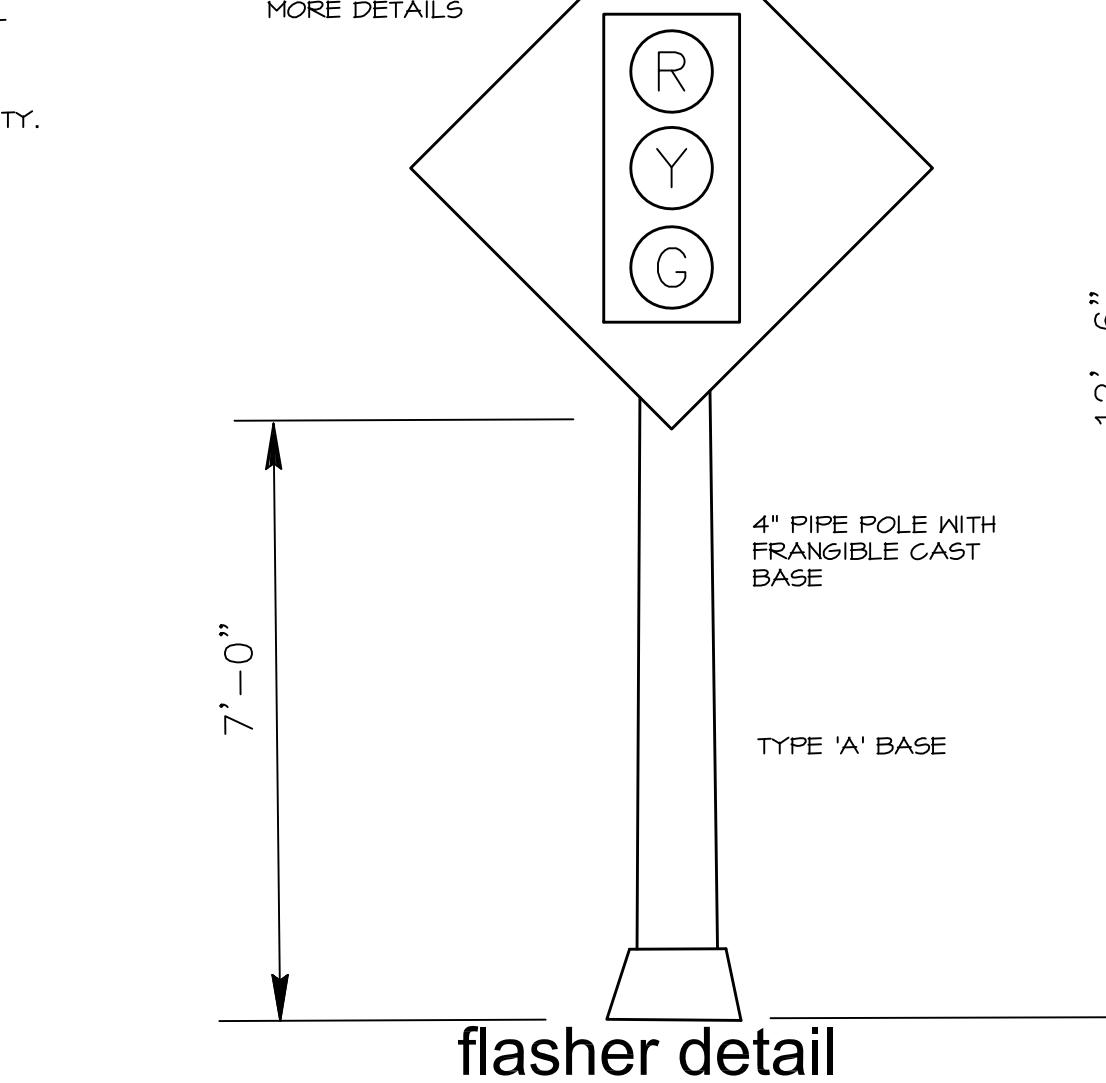


SIGNAL HEAD SCHEDULE



3 SECTION HEAD
WITH YELLOW
LENSES. CENTER
SECTION HOUSES
FLASHER MECHANISM
MOUNT ON BLANK
DOOR

SEE ACHD STD
DETAIL TS-1107 FOR
MORE DETAILS



COLE ARCHITECTS
 COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
 Boise, ID 83702 | (208) 345-1800

TCA
 architecture • planning
 TCA | 821 Roosevelt Way NE
 Seattle, WA 98115 | (208) 522-3820

BRECKON
 • Landscape Architecture
 • Erosion & Sediment Control
 • Geographic Info Systems
 • Graphic Communication
 • Water Management
 • Irrigation Design
 • Land Planning
 www.breckondesign.com
 Fax: 208-376-6528
 Phone: 208-376-5153
 181 East 50th Street
 Garden City, Idaho 83714

BOISE
 CITY OF TREES
 BOISE FIRE
 DEDICATION
 3575 W. Overland Rd. Boise, ID 83705

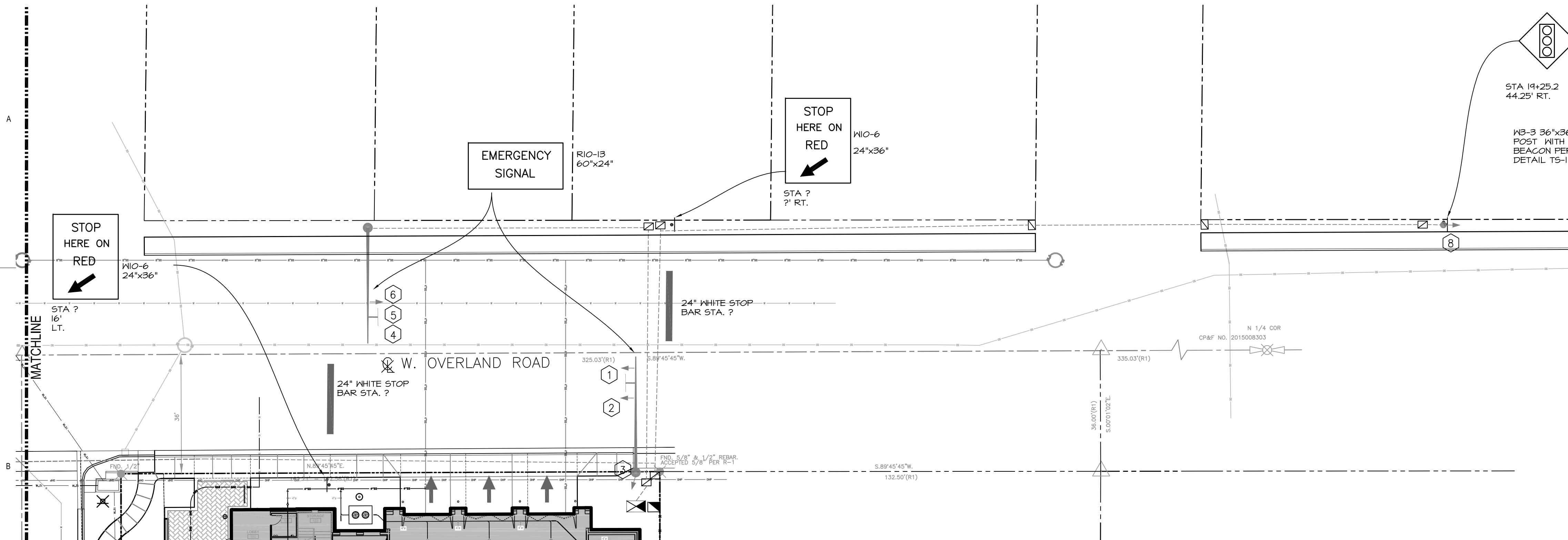
PROJECT INFORMATION:
 PROJECT NUMBER:
 15045

REVISIONS:
 MARK DATE DESCRIPTION

PROJECT PHASE Project Status
 PROJECT NUMBER 15045
 PROJECT MANAGER R. TeBeau
 PROJECT ARCHITECT R. TeBeau
 DESIGN DT
 DRAWN BY BS, LP, TC

SHEET NAME:
 TS1.10
 SHEET NUMBER:
 1.29.16

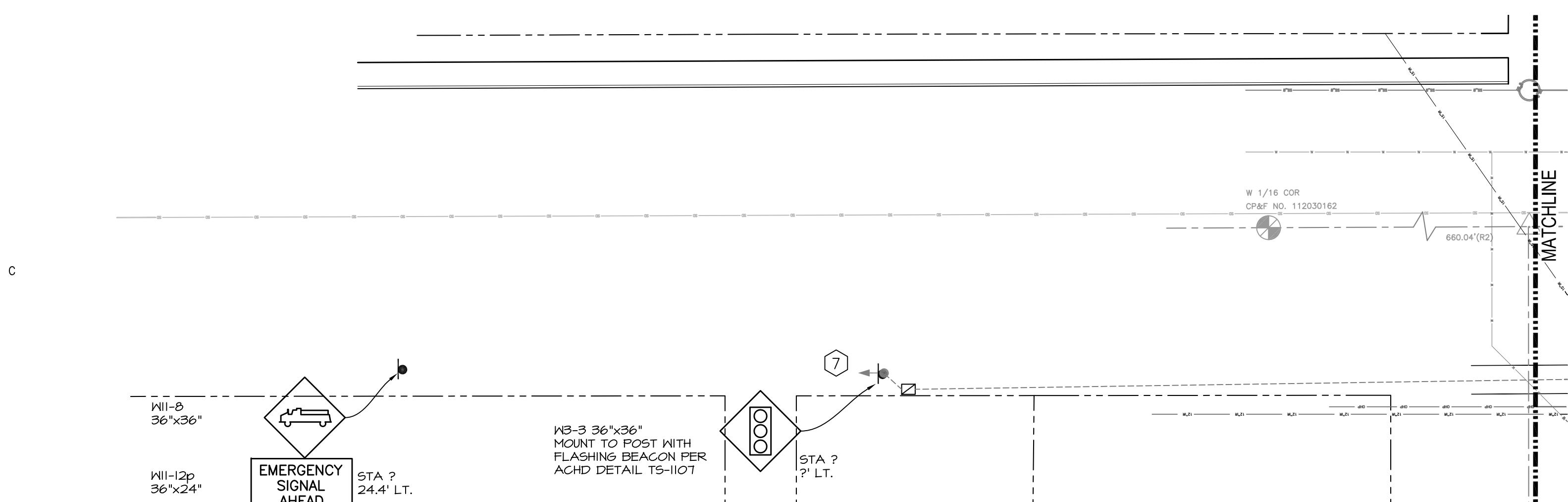
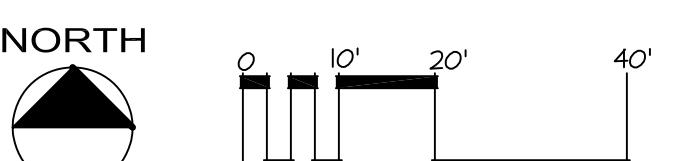
TRAFFIC SIGNAL PLAN
TS1.10



ROADWAY SIGNING AND STRIPING PLAN

SCALE: 1" = 20'-0"

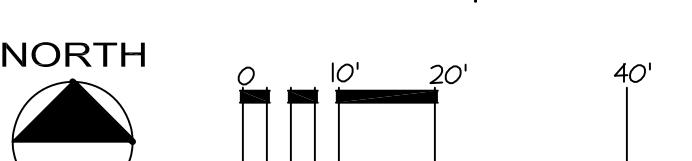
NORTH



ROADWAY SIGNING AND STRIPING PLAN

SCALE: 1" = 20'-0"

NORTH



LEGEND

- PULL BOX (TYPE S40/ADA)
- PULL BOX (TYPE S45/ADA)
- (51) PULL BOX (TYPE S51)
- SIGNAL POLE AND MAST ARM
- SIGNAL NUMBER
- LUMINAIRE
- SIGNAL HEAD
- EMERGENCY PRE-EMPTION DETECTOR
- MAST ARM MOUNTED SIGN
- SERVICE PEDESTAL
- CONDUIT RUN
- △ CONDUIT NUMBER

ROADWAY NOTES

- ALL CONSTRUCTION SHALL CONFORM TO CURRENT EDITION OF THE I.S.P.W.C. AND THE A.C.H.D. SUPPLEMENTAL SPECIFICATIONS. NO EXCEPTIONS TO DISTRICT POLICY, STANDARDS, AND THE I.S.P.W.C. WILL BE ALLOWED UNLESS SPECIFICALLY AND PROPERLY APPROVED IN WRITING BY THE ADA COUNTY HIGHWAY DISTRICT.
- INSPECTION DISTRICT
- ALL TOPS OF VALVE BOXES AND SEWER MANHOLES SHALL BE SET FLUSH WITH THE SLOPE OF THE FINISHED STREET GRADES.
- AN STORM DRAWDRAF ADJUSTMENTS SHALL BE EXPECTED AND APPROVED BY THE ADA COUNTY HIGHWAY DISTRICT.
- ALL WATER VALVES BLOW-OFFS AND MANHOLES SHALL BE PLACED SO AS NOT TO CONFLICT WITH ANY CONCRETE CURB AND GUTTER, VALLEY GUTTER, AND SIDEWALK IMPROVEMENTS.
- IF ANY UTILITY OR IRRIGATION FACILITY INTERFERES WITH REQUIRED STREET IMPROVEMENTS, ALL SUCH UTILITIES OR IRRIGATION UTILITIES SHALL BE RELOCATED AS TO NOT INTERFERE WITH REQUIRED STREET IMPROVEMENTS AT THE OWNER'S EXPENSE.
- INSTALL TRUNCATED DOMES FOR ALL PEDESTRIAN RAMPS PER ACHD. SUPPLEMENTAL STANDARD DRAWING SD-T12. DOMES SHALL BE CAST INTO CONCRETE, STAMPED CONCRETE AND ADHESIVE MATS WILL NOT BE ALLOWED. DOMES SHALL BE PAINTED TRAFFIC YELLOW IN ACCORDANCE WITH THE STANDARD DRAWING.
- THE CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS, BOTH THE ABOVE GROUND AND UNDERGROUND, AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION SITE UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ANY CURRENTLY APPLICABLE SAFETY LAW OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
- ALL CONSTRUCTION WORKSHIPS SHALL BE HELD A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF WORK. ALL CONTRACTORS, SUBCONTRACTORS AND/OR UTILITY CONTRACTORS SHALL BE PRESENT.
- ALL MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES, OR AS SET FORTH HEREIN, WHICH EVER IS MORE RESTRICTIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS INSTALLED ON THIS PROJECT MEET THIS REQUIREMENT AT THE REQUEST OF THE AGENCY OR THE ENGINEER.
- THE CONTRACTOR MUST OBTAIN A RIGHT-OF-WAY PERMIT AT LEAST FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION.
- SEE CONTRACT DOCUMENTS FOR LIMITATIONS AND RESTRICTIONS ON CONSTRUCTION STAKING PROVIDED BY OWNER.

PAVEMENT REPAIR

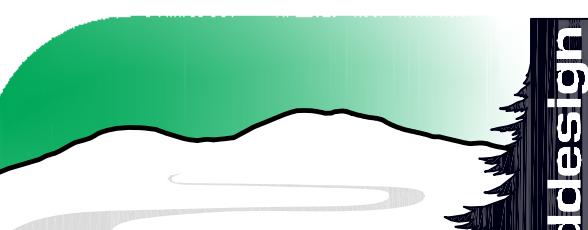
ACTUAL FIELD CONDITIONS DURING TRENCHING MAY REQUIRE ADDITIONAL PAVEMENT REPAIR BEYOND THE LIMITS SHOWN ON THE PLANS. THE FOLLOWING CONDITIONS ARE LISTED IN SECTION 600B.12.1 OF ACHD POLICY MANUAL:

- ALL ASPHALT MATCH LINES FOR PAVEMENT REPAIR SHALL BE PARALLEL TO THE CENTERLINE OF THE STREET AND INCLUDE ANY AREA DAMAGED BY EQUIPMENT DURING TRENCHING OPERATIONS.
- IF THE CUMULATIVE DAMAGED PAVEMENT AREA EXCEEDS 50% OF THE TOTAL ROAD LENGTH, THE CONTRACTOR SHALL REPLACE THE ENTIRE ROADWAY SURFACE.
- CONTRACTOR SHALL REPLACE THE PAVEMENT SURFACE TO ENSURE MATCH LINE DOES NOT FALL WITHIN THE WHEEL PATH OF A LANE. MATCH LINE SHALL ONLY FALL IN THE CENTER OR EDGE OF A TRAVEL LANE.
- FLATBED TRUCKS OF IMPORTED MATERIAL MAY BE REQUIRED IF THE NATIVE FRESH MATERIAL IS DEEMED UNSUITABLE BY ACHD INSPECTOR, DOES NOT MEET COMPACTION STANDARDS, OR TIME IS A CRITICAL FACTOR.
- ANY EXCEPTIONS TO THESE RULES SHALL BE PRE-APPROVED IN WRITING BY DISTRICT STAFF BEFORE CONSTRUCTION BEGINS

ROADWAY SIGNING AND STRIPING PLAN

D

TS1.11



BRECKON land design
 • Landscape Architecture www.breckonlanddesign.com
 • Erosion & Sediment Control Fax 208-376-6528
 • Geographic Info Systems Phone: 208-376-5153
 • Graphic Communication
 • Water Management
 • Irrigation Design
 • Land Planning
 181 East 50th Street
 Garden City, Idaho 83744



MARK	DATE	DESCRIPTION

PROJECT PHASE	Project Status
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	DT
DRAWN BY	BS, LP, TC

Know where below.
Call before you dig.
Call business days
in advance before
you dig. It's free.
Excavate for the
right direction
underground
member utilities.

COLE ARCHITECTS

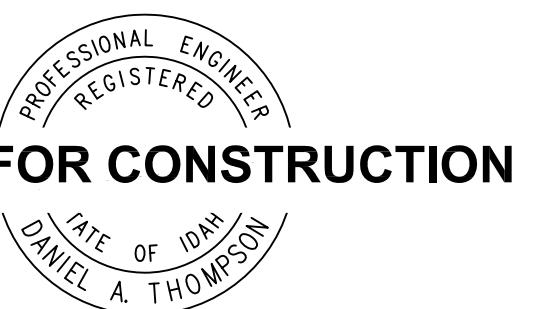
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning

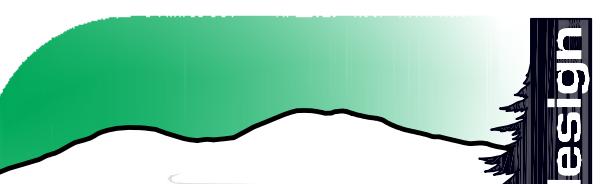
TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (208) 522-3820

STAMP:



NOT FOR CONSTRUCTION

CONSULTANT:



Landscape Architecture www.breckonlanddesign.com
• Erosion & Sediment Control Fax 208-376-6528
• Geographic Info Systems Phone: 208-376-5153
• Graphic Communication
• Water Management
• Irrigation Design
• Land Planning

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE	Project Status
PROJECT NUMBER	15045
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	DT
DRAWN BY	BS, LP, TC

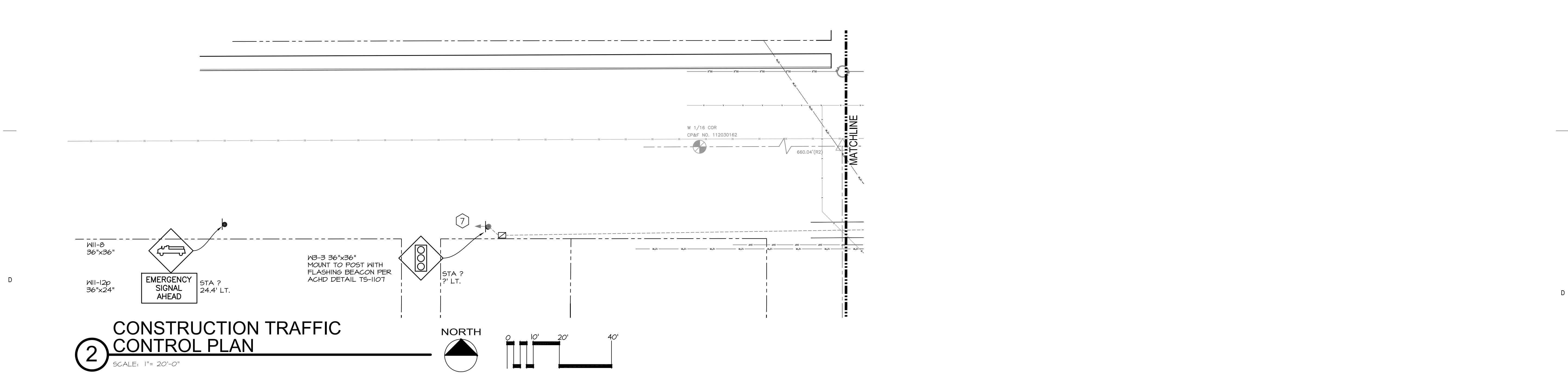
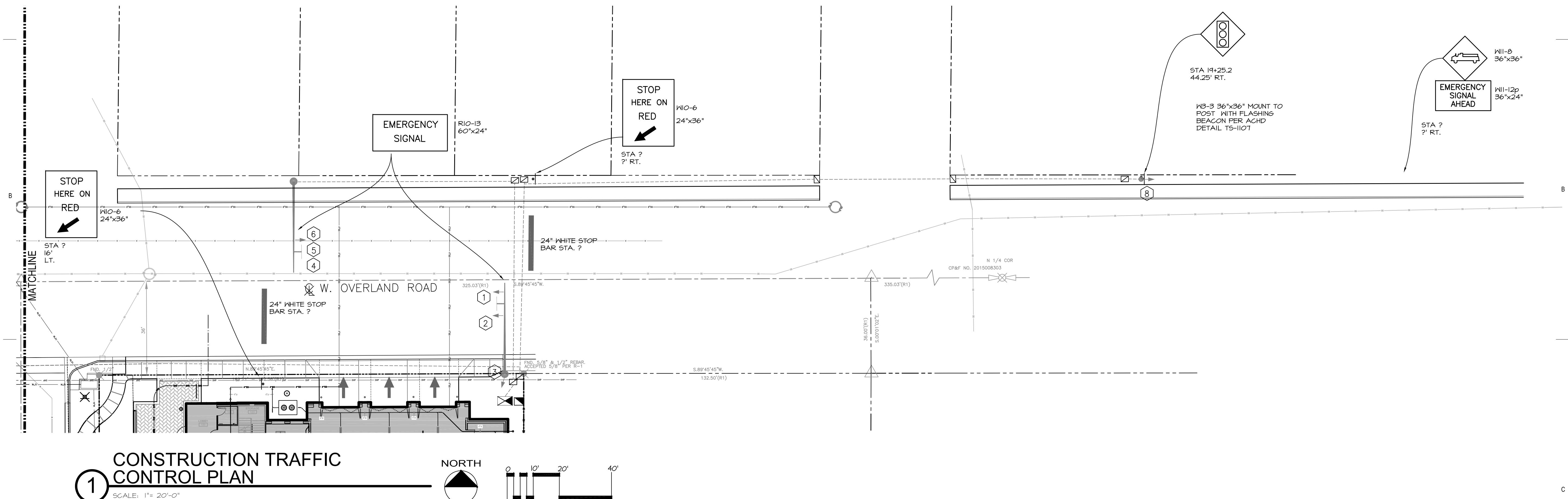
SHEET NAME:

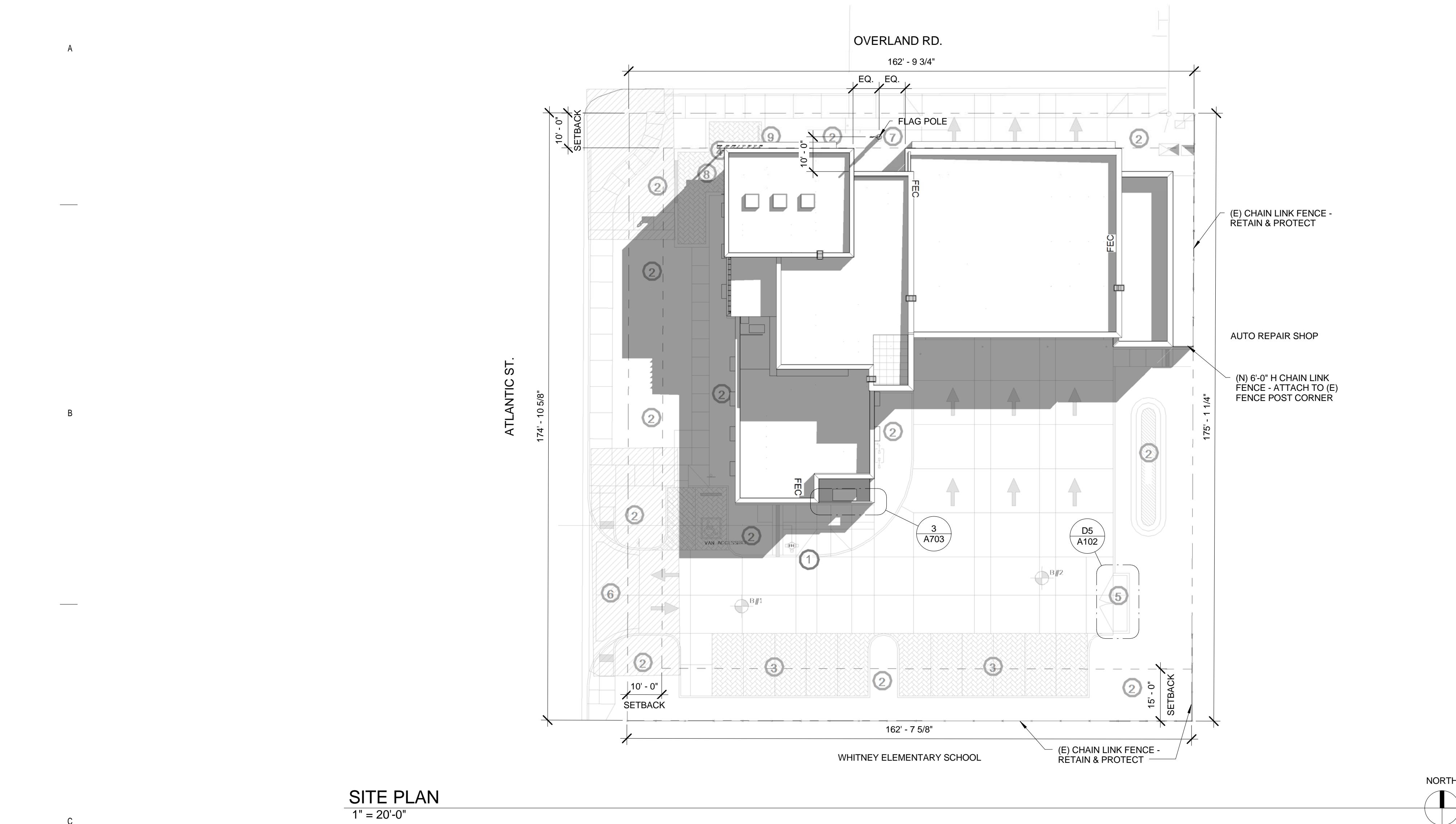
CONSTRUCTION TRAFFIC CONTROL PLAN

SHEET NUMBER:

TS1.12

1.29.16



**GENERAL NOTES SITE PLAN:**

- A. BEFORE PROCEEDING TO LAY OUT THE WORK, VERIFY LAYOUT INFORMATION SHOWN ON DRAWINGS, IN RELATION TO THE PROPERTY SURVEY AND EXISTING BENCHMARKS. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.
- B. ENGAGE A LAND SURVEYOR OR PROFESSIONAL ENGINEER TO LAY OUT THE WORK USING ACCEPTED SURVEYING PRACTICES.
- C. ESTABLISH BENCHMARKS AND CONTROL POINTS TO SET LINES AND LEVELS AT EACH STORY OF CONSTRUCTION AND ELSEWHERE AS NEEDED TO LOCATE EACH ELEMENT OF PROJECT.
- D. ESTABLISH LIMITS ON USE OF PROJECT SITE. IF STAGING AREA IS NOT DESIGNATED ON PLANS, THEN COORDINATE LOCATION WITH OWNER.
- E. ESTABLISH DIMENSIONS WITHIN TOLERANCES INDICATED. DO NOT SCALE DRAWINGS TO OBTAIN REQUIRED DIMENSIONS.
- F. INFORM SUBCONTRACTORS OF LINES AND LEVELS TO WHICH THEY MUST COMPLY.
- G. CHECK THE LOCATION, LEVEL AND PLUMB, OF EVERY MAJOR ELEMENT AS THE WORK PROGRESSES.
- H. LOCATE AND LAY OUT CONTROL LINES AND LEVELS FOR STRUCTURES, BUILDING FOUNDATIONS, COLUMN GRIDS, AND FLOOR LEVELS, INCLUDING THOSE REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. TRANSFER SURVEY MARKINGS AND ELEVATIONS FOR USE WITH CONTROL LINES AND LEVELS. LEVEL FOUNDATIONS AND PIERS FROM TWO OR MORE LOCATIONS.

KEY NOTES: #

1. FIRE HYDRANT - RE: CIVIL SHEETS
2. PLANTER - RE: CIVIL SHEETS
3. PARKING STALLS - RE: CIVIL SHEETS
4. PUBLIC PLAZA - RE: CIVIL SHEETS
5. DUMPSTER ENCLOSURE - RE: SITE DETAILS
6. VAN ACCESSORIES - RE: CIVIL SHEETS
7. FLAGPOLE - RE: CIVIL SHEETS
8. SEATWALL - RE: CIVIL SHEETS
9. BICYCLE RACK - RE: CIVIL SHEETS

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:

**City of Boise Fire Station 8**

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28
 PROJECT MANAGER R. TeBeau
 PROJECT ARCHITECT R. TeBeau
 DESIGN B. Harris/ R. TeBeau
 DRAWN BY Author

SHEET NAME:

SITE PLAN

SHEET NUMBER:

A101

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208

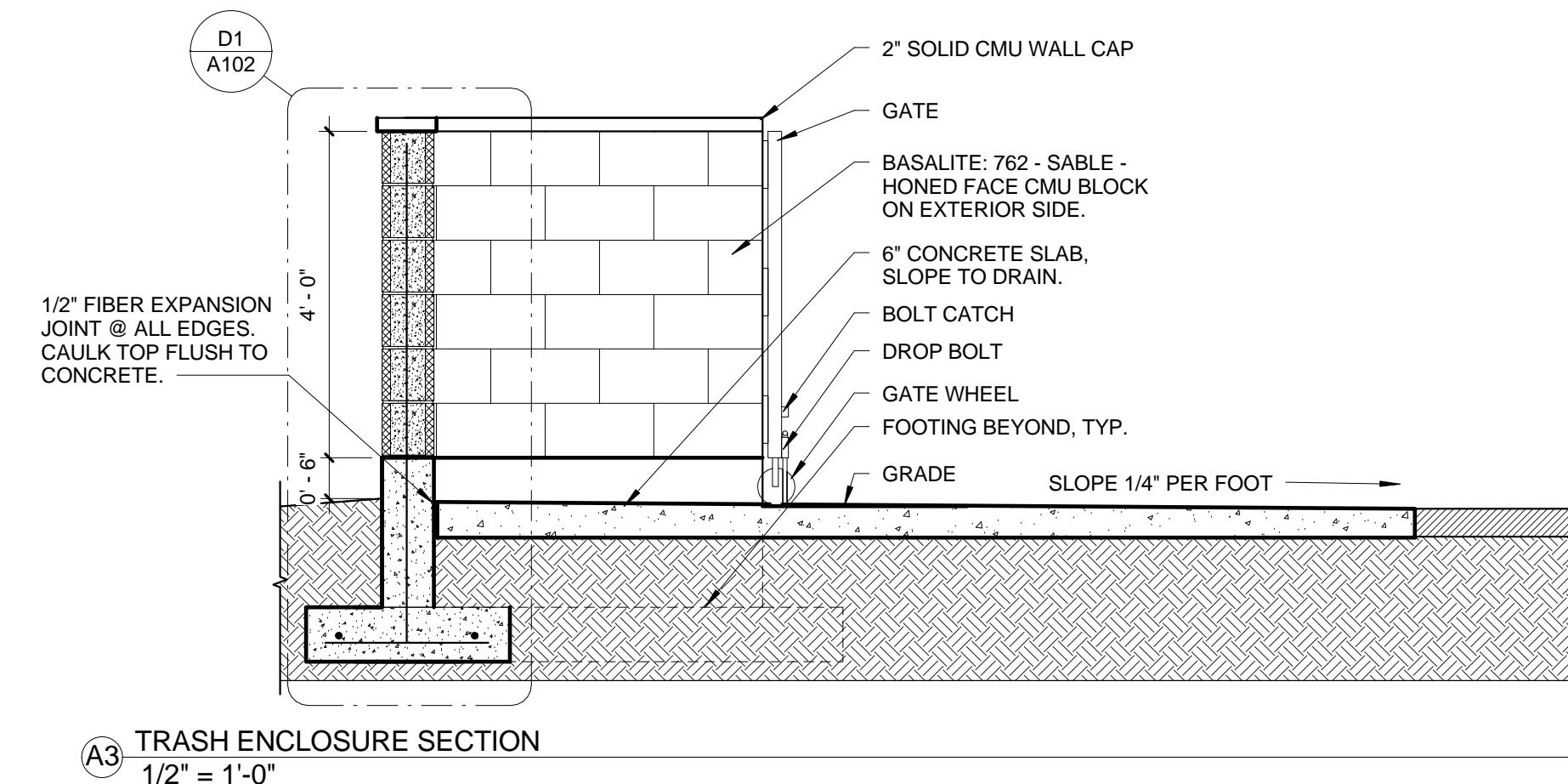
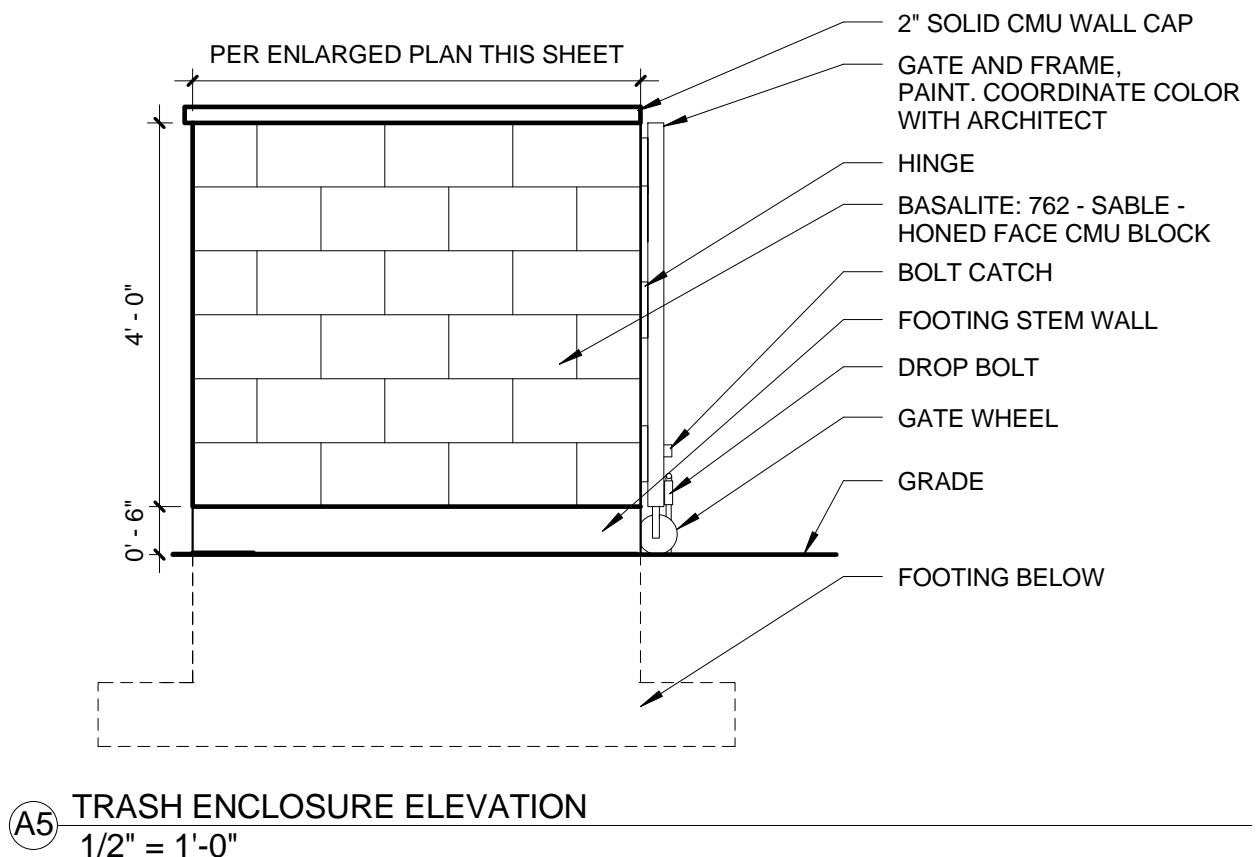
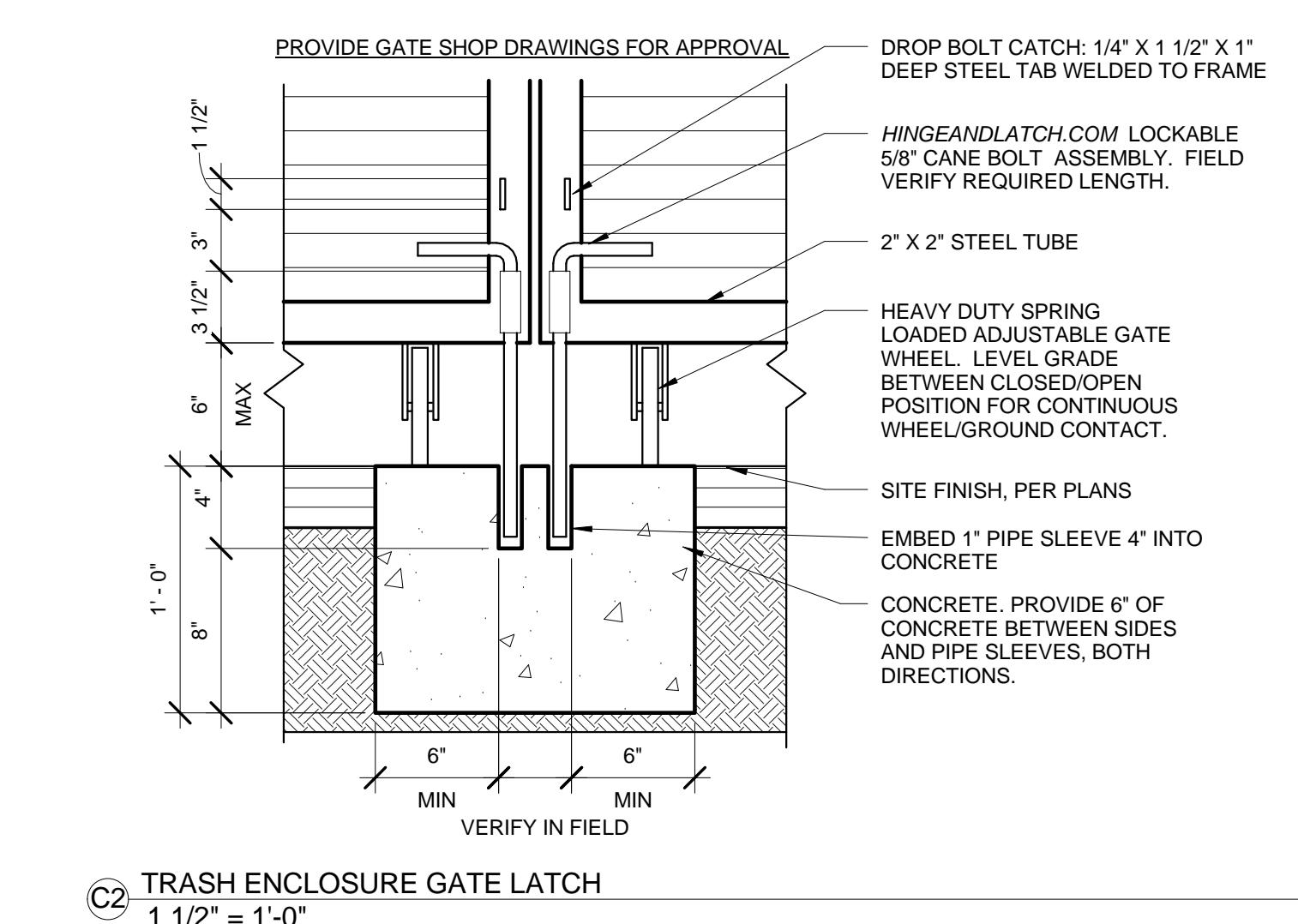
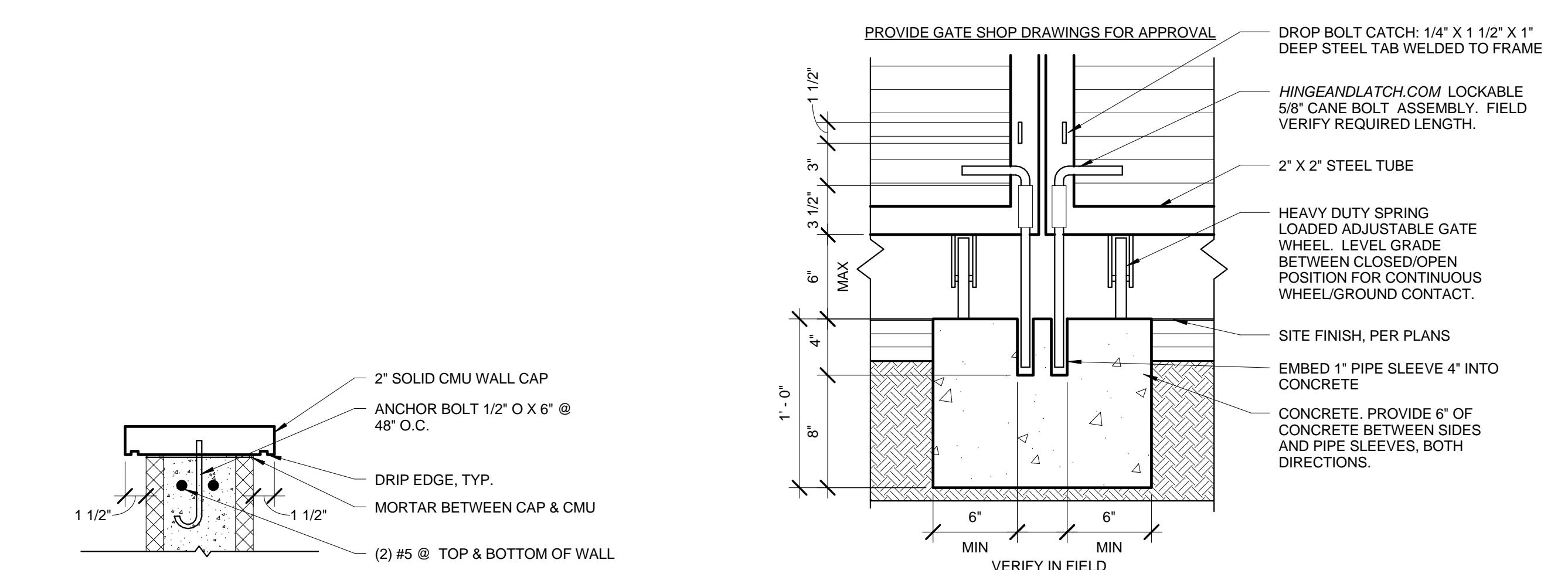
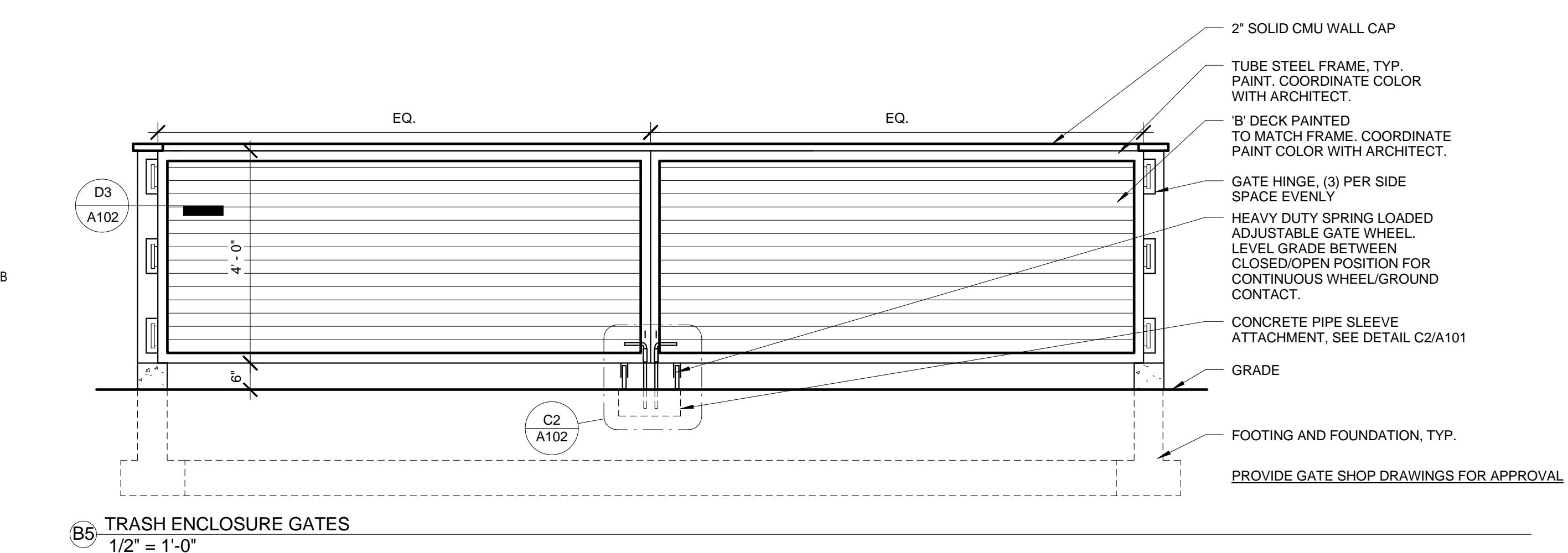
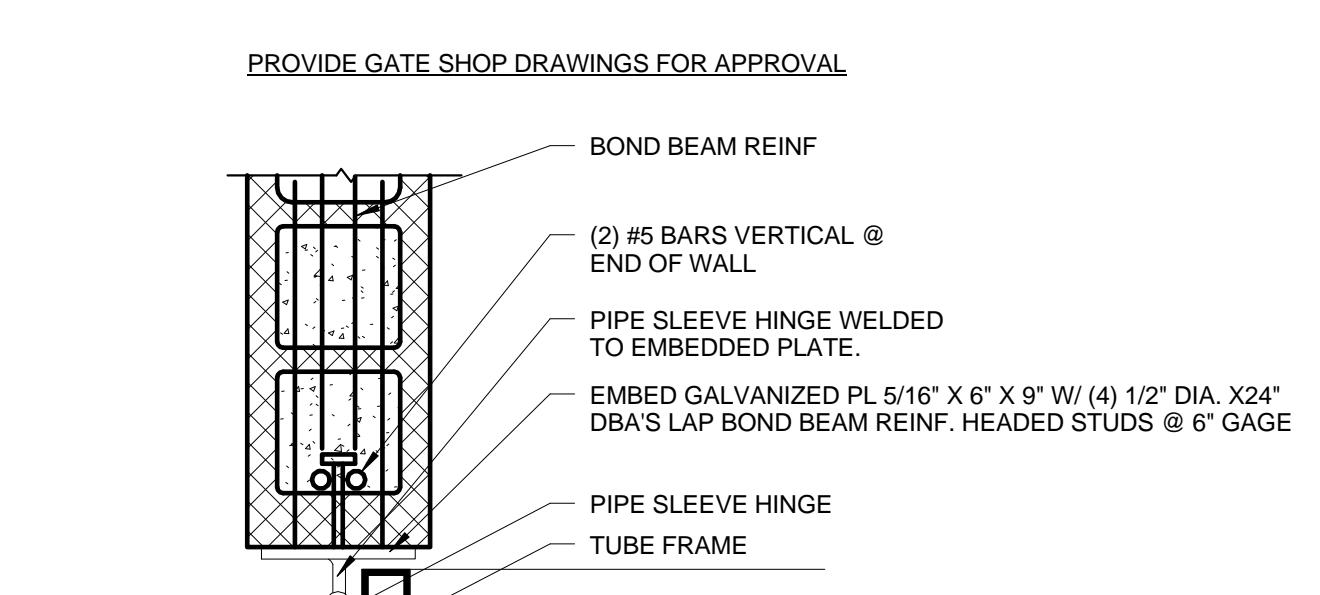
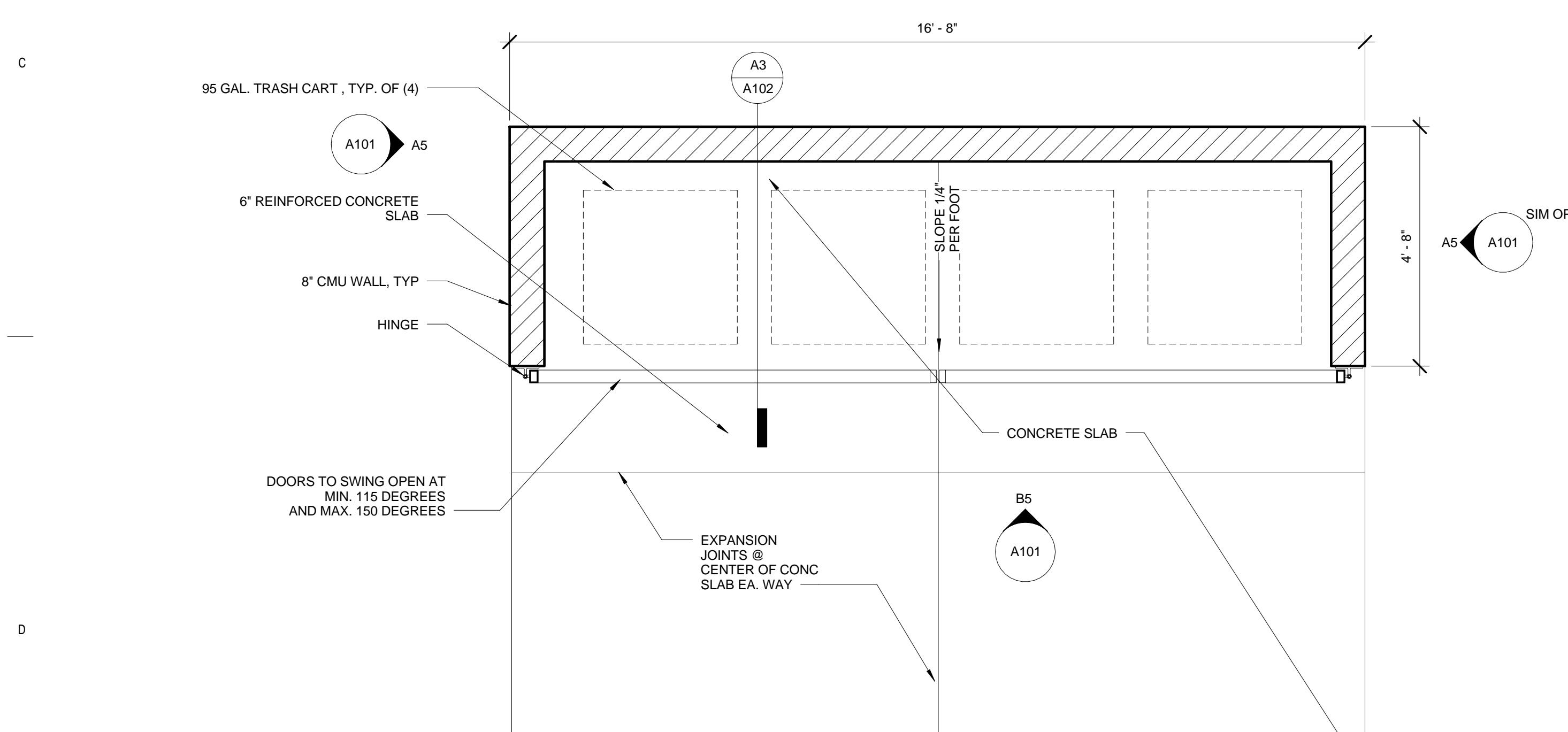
Boise, ID 83702 | (208) 345-1800



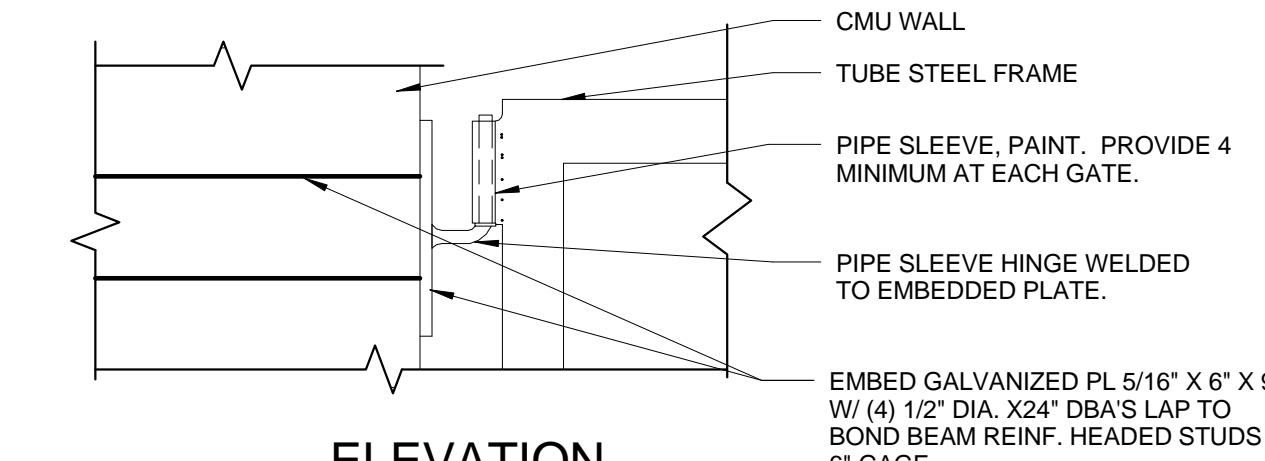
architecture • planning

TCA | 321 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

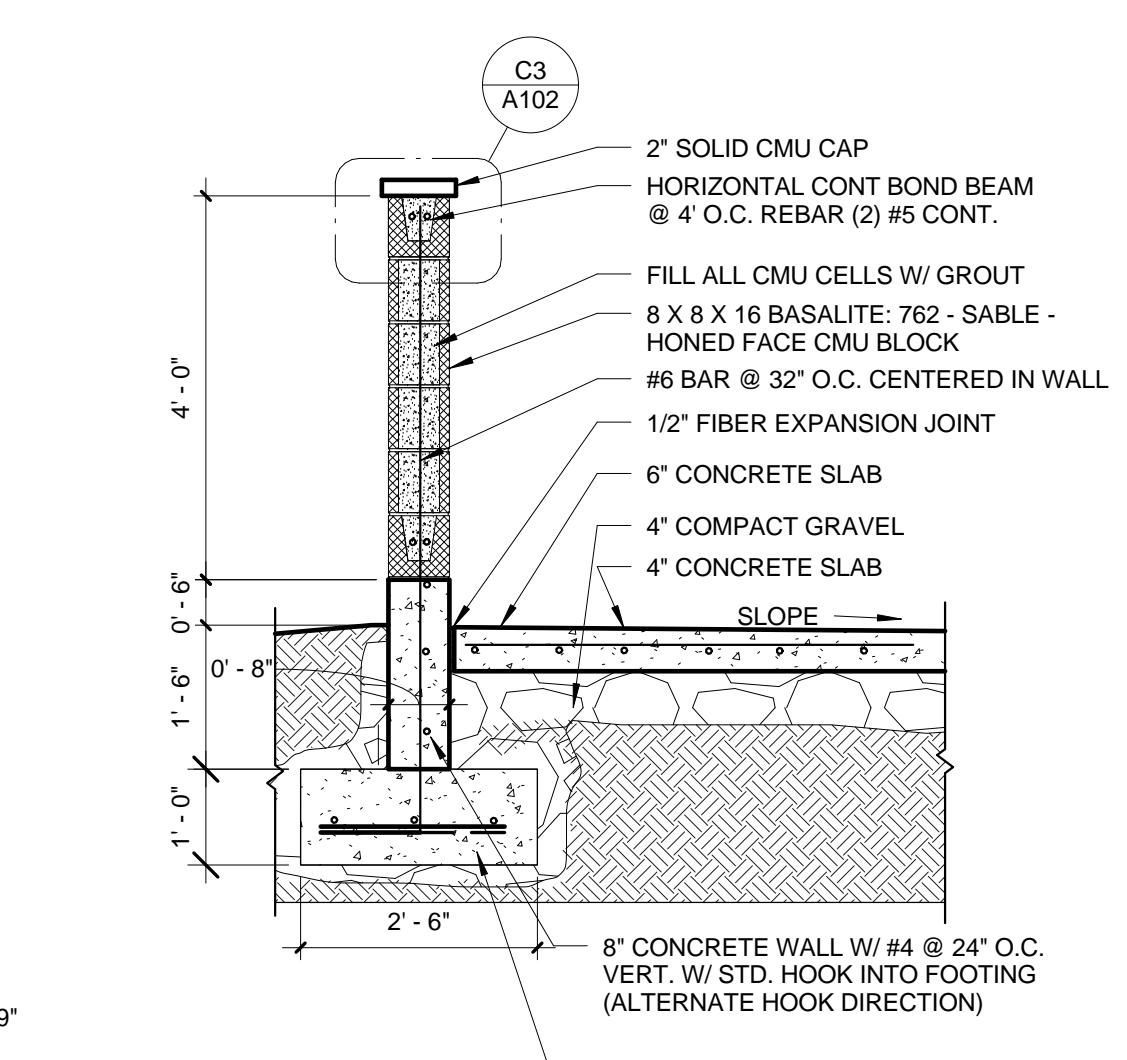
STAMP:

A3 TRASH ENCLOSURE SECTION
1/2" = 1'-0"C3 TRASH ENCLOSURE CAP DETAIL
1 1/2" = 1'-0"

PLAN



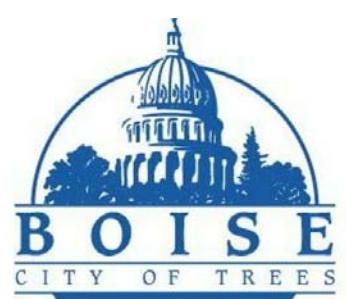
ELEVATION

D1 TRASH ENCLOSURE WALL DETAIL
1/2" = 1'-0"

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN B. Harris / R. TeBeau

DRAWN BY Author

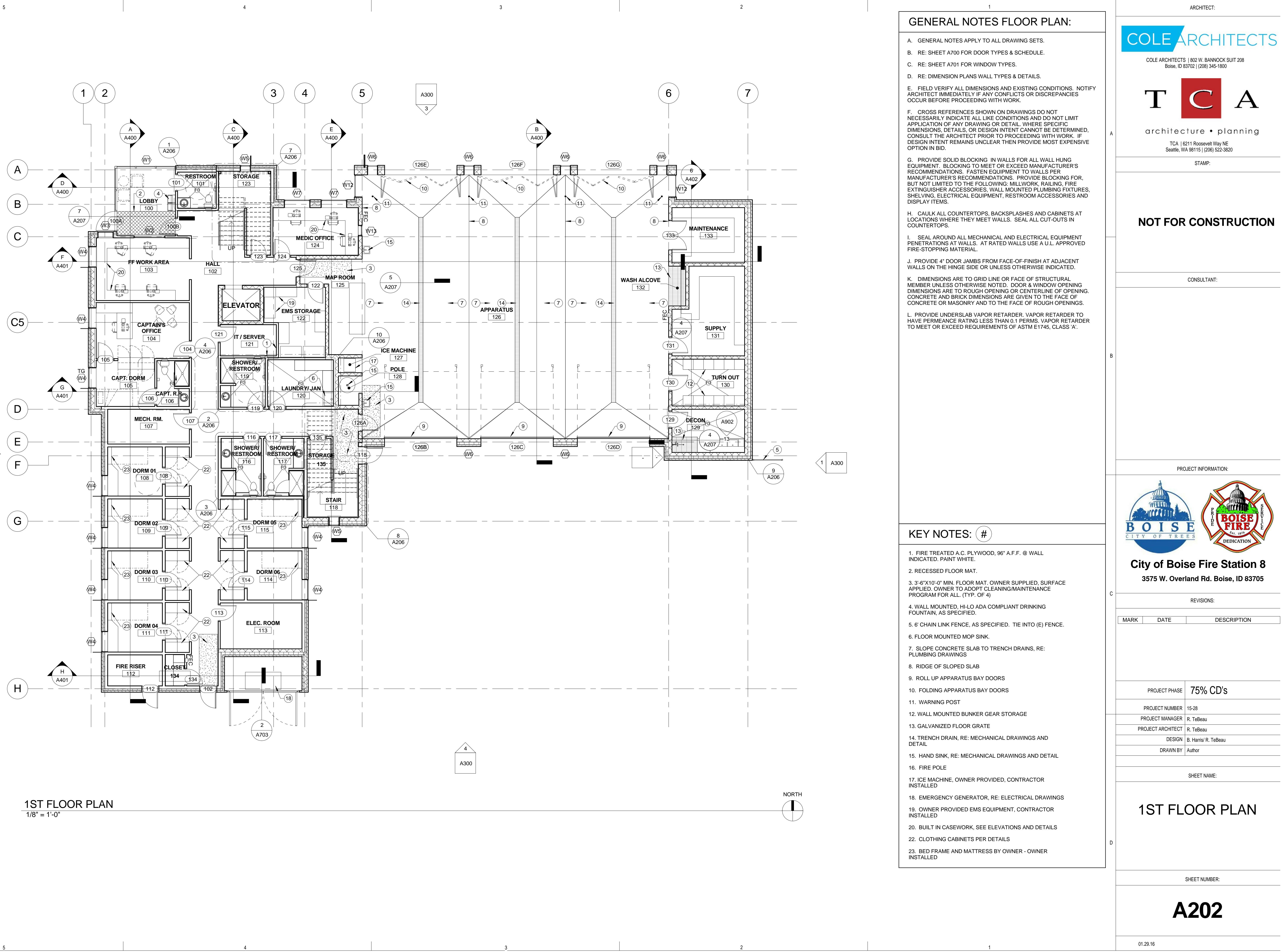
SHEET NAME:

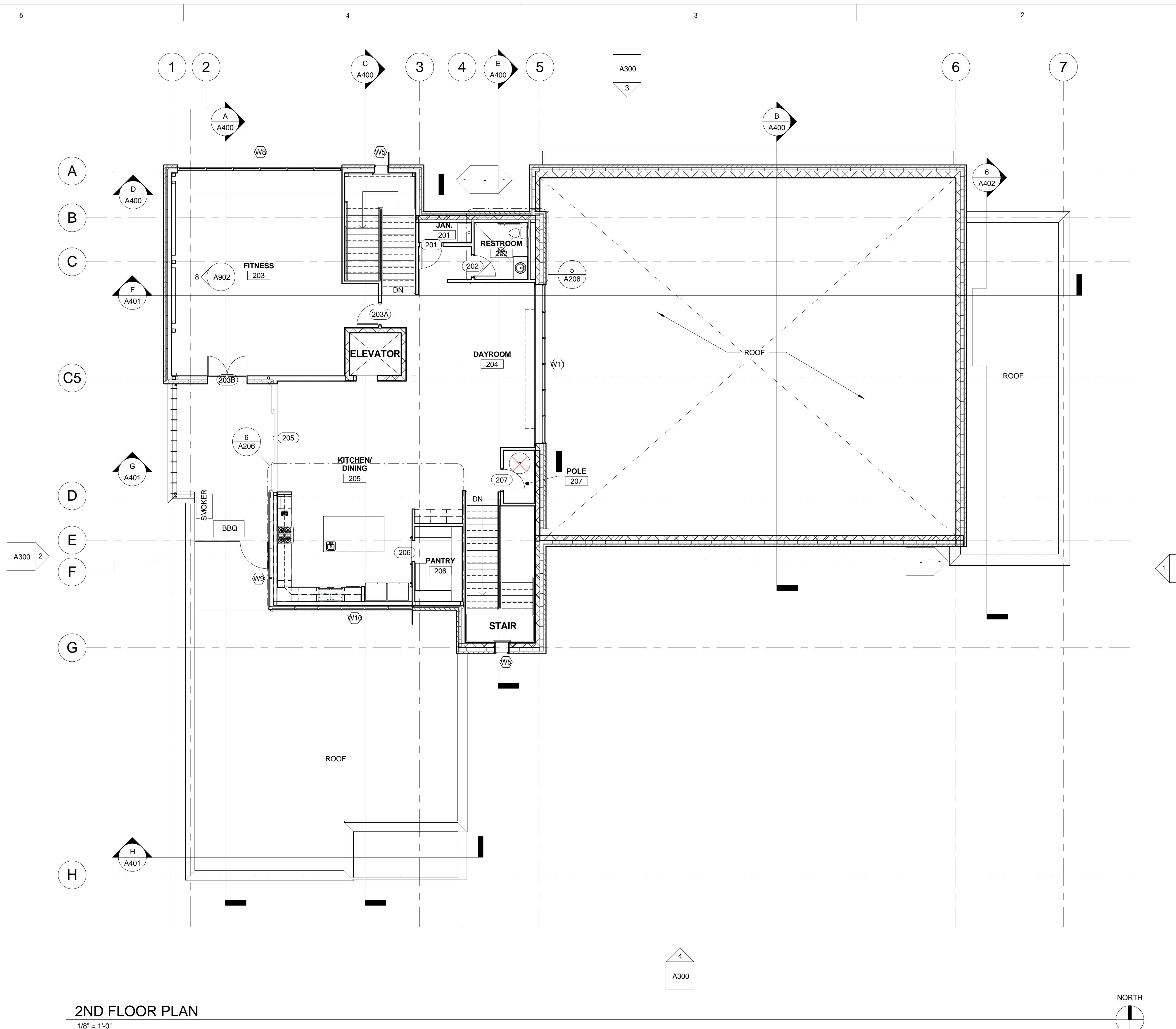
SITE PLAN DETAILS

SHEET NUMBER:

A102

01.29.16





GENERAL NOTES FLOOR PLAN:	
A.	GENERAL NOTES APPLY TO ALL DRAWING SETS.
B.	RE: SHEET A700 FOR DOOR TYPES & SCHEDULE.
C.	RE: SHEET A701 FOR WINDOW TYPES.
D.	RE: DIMENSION PLANS WALL TYPES & DETAILS.
E.	FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
F.	CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY STATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY REQUIREMENT THAT IS NOT SPECIFIC TO THE DRAWING. IF A DIMENSION IS NOT SHOWN, THE DIMENSION, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED. CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
G.	PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL HUNG EQUIPMENT. BLOCKING MUST MEET OR EXCEED THE MANUFACTURER'S RECOMMENDATIONS LISTED IN THE EQUIPMENT WALLS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE BLOCKING FOR, BUT NOT LIMITED TO THE FOLLOWING: MILLWORK, RAILING, FIRE EXTINGUISHER ACCESSORIES, WALL MOUNTED PLUMBING FIXTURES, SHELVING, ELECTRICAL EQUIPMENT, RESTROOM ACCESSORIES AND DISPLAY ITEMS.
H.	CAULK ALL COUNTERTOPS, BACKSPASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
I.	SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT WALLS. AT RATED WALLS USE A U.L. APPROVED FIRE-STOPPING MATERIAL.
J.	PROVIDE 4" DOOR JAMBS FROM FACE-OF-FINISH AT ADJACENT WALLS ON THE HINGE SIDE OR UNLESS OTHERWISE INDICATED.
K.	DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.
L.	PROVIDE UNDERSLAB VAPOR RETARDER. VAPOR RETARDER TO HAVE PERMEANCE RATING LESS THAN 0.1 PERMS. VAPOR RETARDER TO MEET OR EXCEED REQUIREMENTS OF ASTM E1745, CLASS 'A'.

KEY NOTES:

1. XXX



STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN B. Harris/R. TeBeau

DRAWN BY Author

SHEET NAME:

2ND FLOOR PLAN

SHEET NUMBER:

A203

01.29.16

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800TCA
architecture • planning
TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:

City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN B. Harris / R. TeBeau

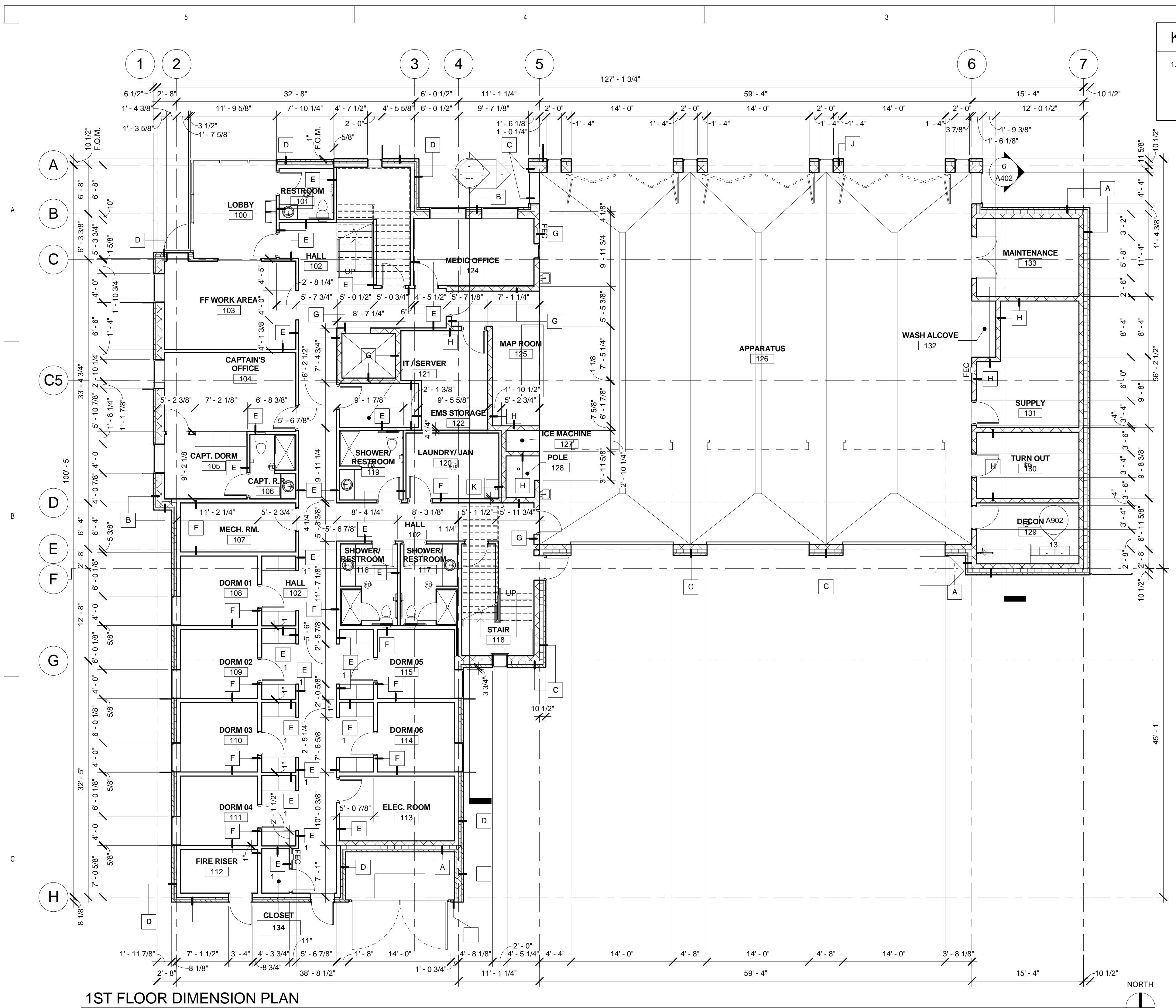
DRAWN BY Author

SHEET NAME:

1ST FLOOR
DIMENSION PLAN

SHEET NUMBER:

A204



1ST FLOOR DIMENSION PLAN

1/8" = 1'-0"

KEY NOTES:

GENERAL NOTES DIMENSION PLAN:

A. DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.

B. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS (IF APPLICABLE). CREATE DIMENSION TEMPLATE BEFORE BEGINNING CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES WITHIN DRAWINGS OCCUR BEFORE PROCEEDING WITH WORK.

C. LAYOUT & INDICATE ALL WALLS ON FLOOR PRIOR TO WALL CONSTRUCTION. IF LAYOUT DIFFERS FROM FLOOR PLAN NOTIFY ARCHITECT IMMEDIATELY FOR DIRECTION.

D. PROVIDE 4" DOOR JAMBS AT ADJACENT WALLS ON THE DOOR'S HINGE SIDE OR UNLESS OTHERWISE INDICATED.

E. REFERENCE STRUCTURAL DRAWINGS FOR ADDITIONAL WALL REQUIREMENTS.

5

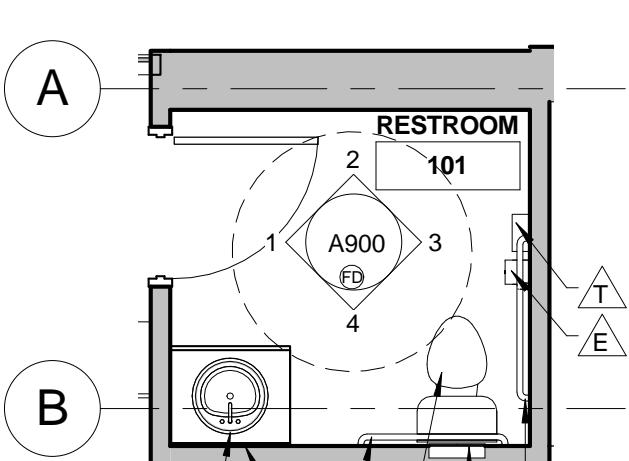
4

3

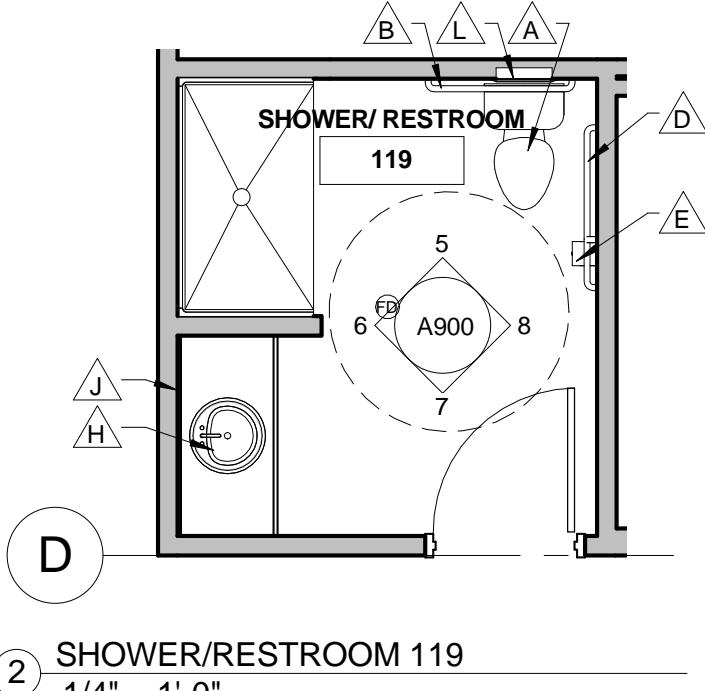
2

1

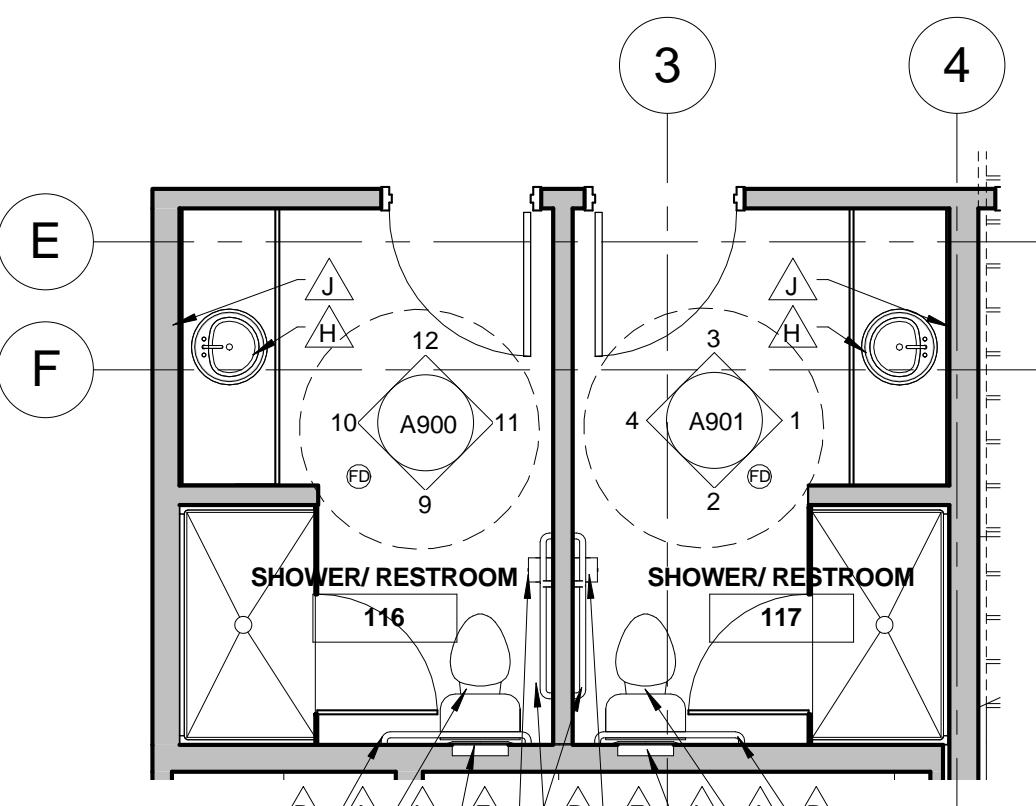
A



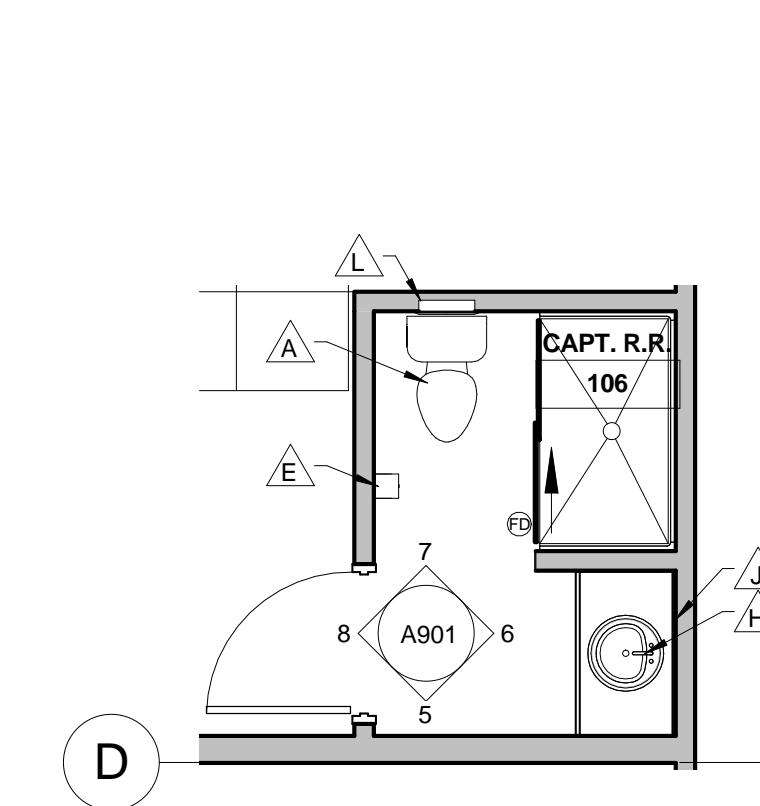
① RESTROOM 101
1/4" = 1'-0"



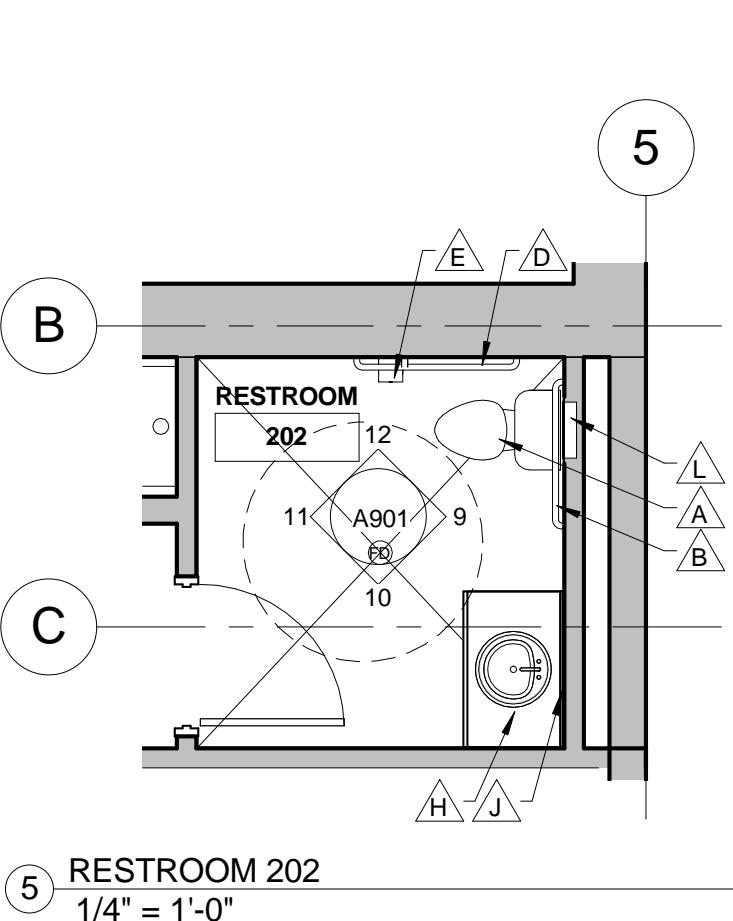
② SHOWER/RESTROOM 119
1/4" = 1'-0"



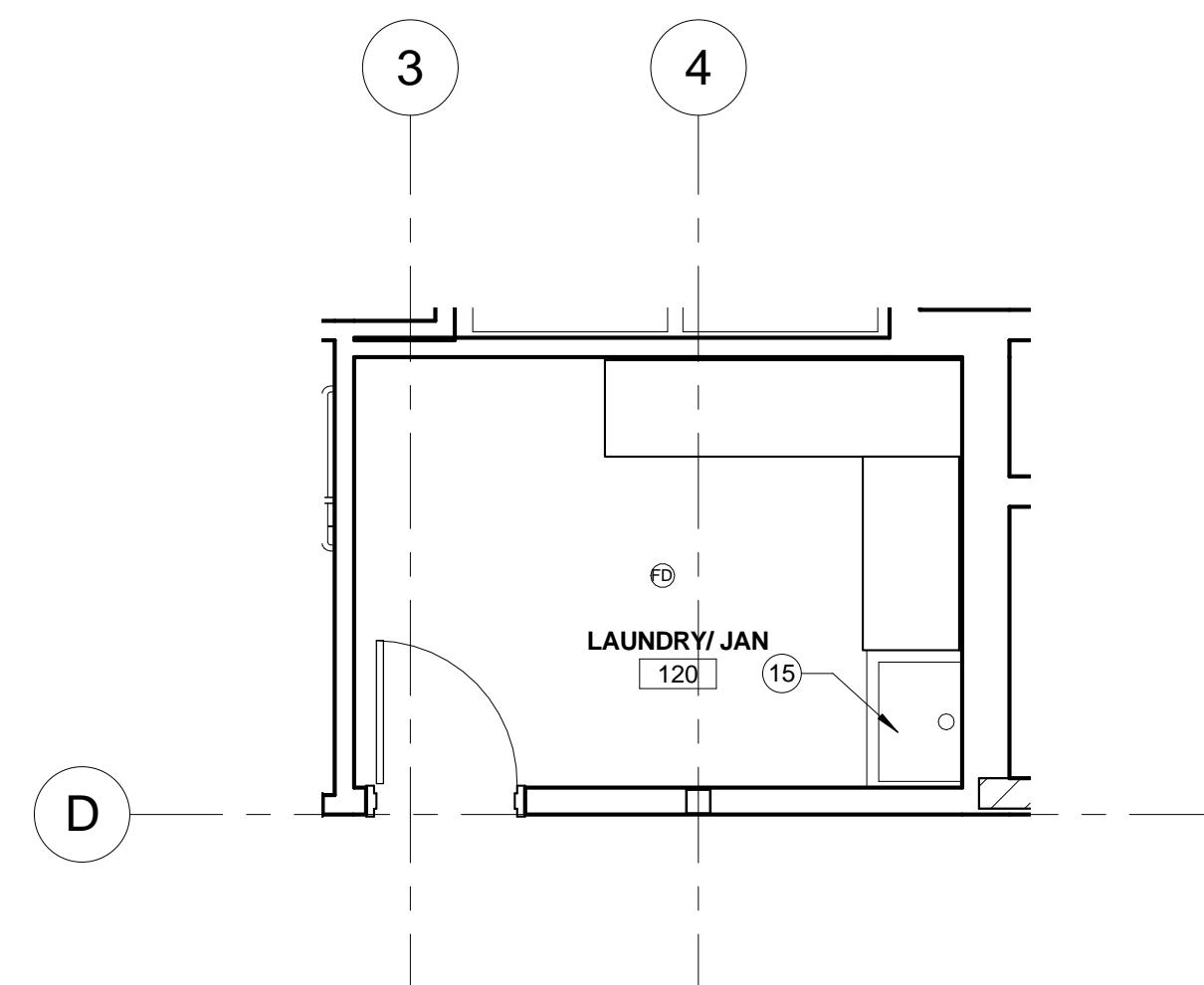
③ SHOWER/RESTROOMS 116 & 117
1/4" = 1'-0"



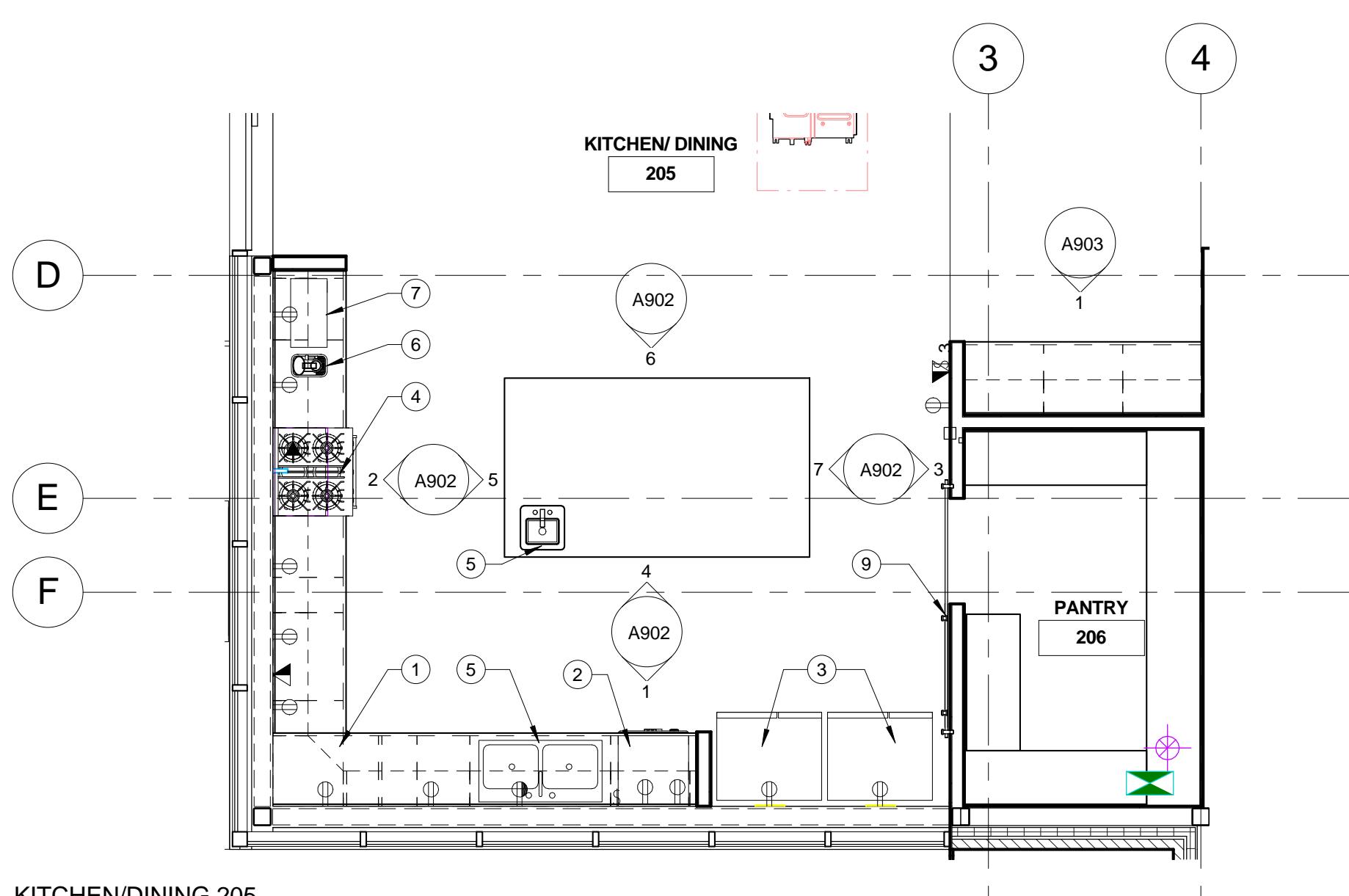
④ CAPT. RR. 106
1/4" = 1'-0"



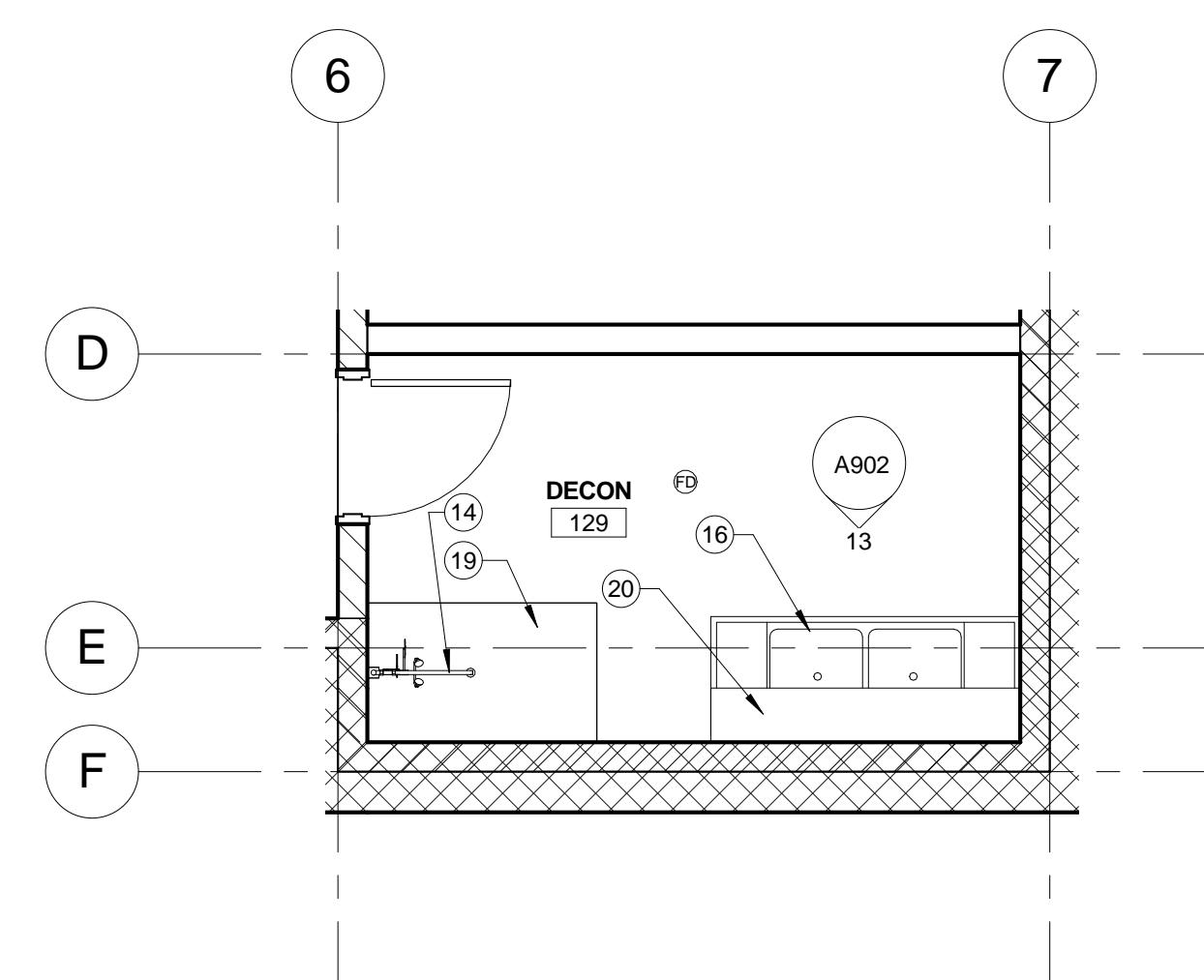
⑤ RESTROOM 202
1/4" = 1'-0"



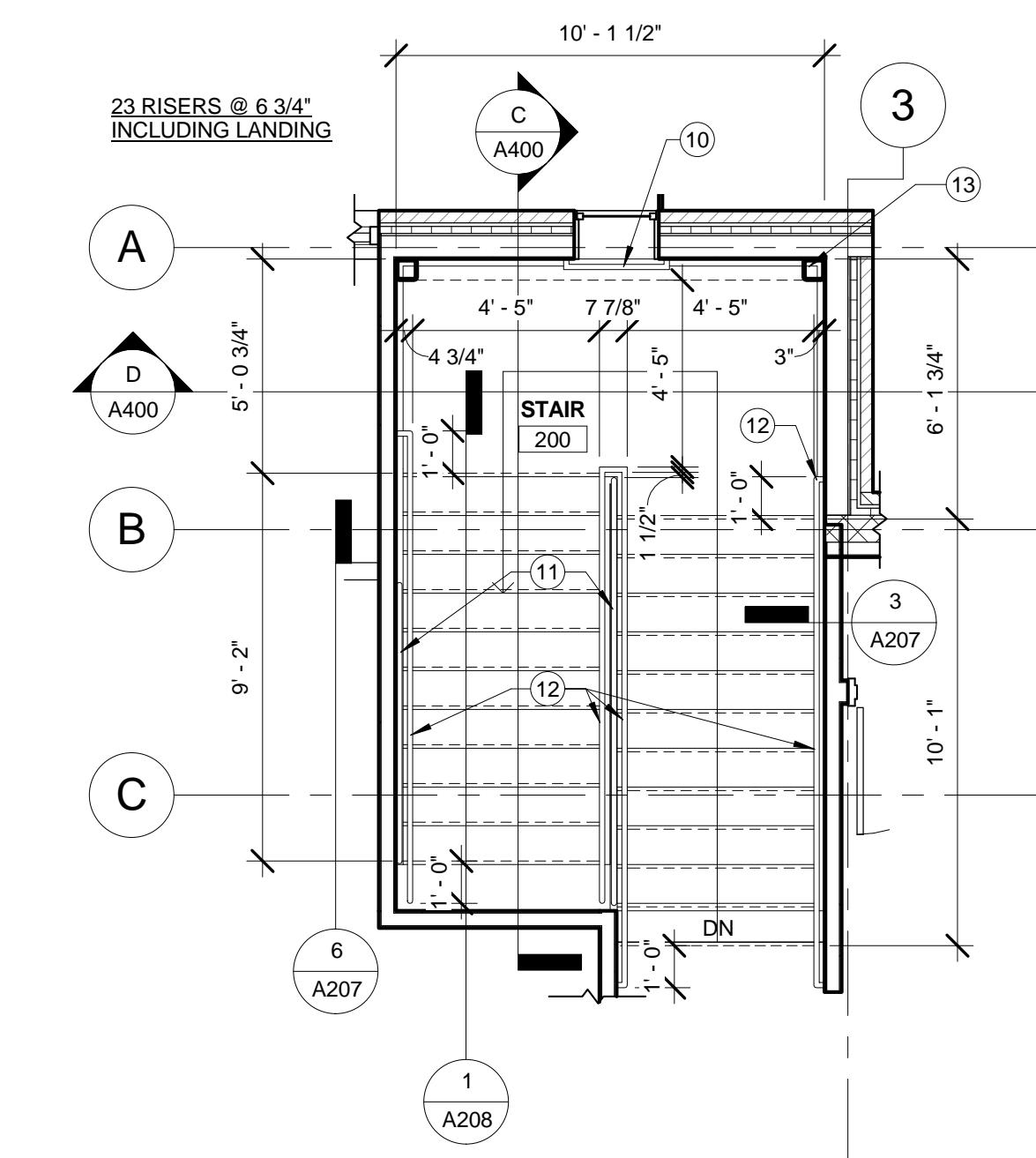
⑩ LAUNDRY/JANITOR 120 FLOOR PLAN
1/4" = 1'-0"



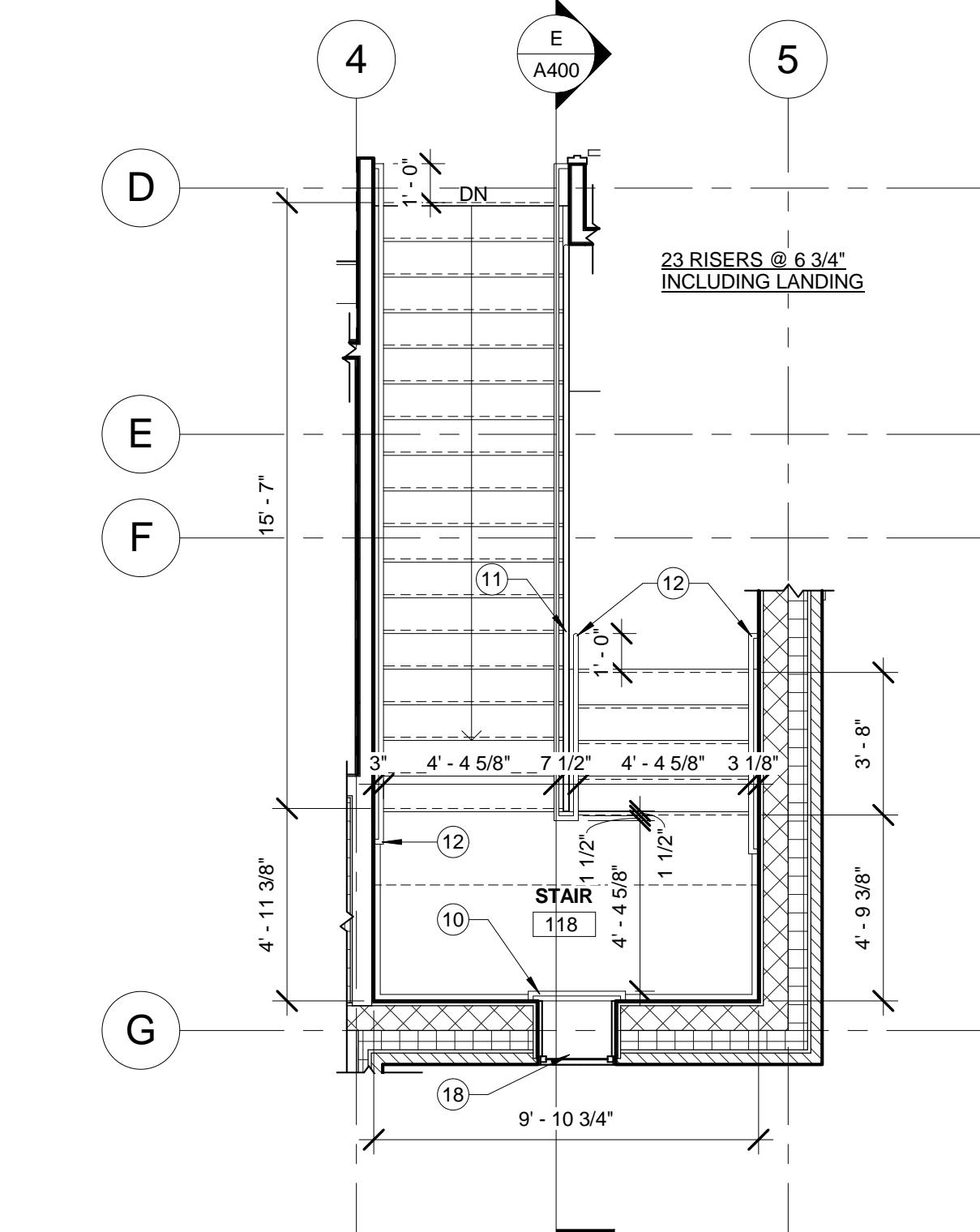
⑥ KITCHEN/DINING 205
1/4" = 1'-0"



⑨ DECON 129 FLOOR PLAN
1/4" = 1'-0"



⑦ NORTH STAIR - ENLARGED PLAN
1/4" = 1'-0"



⑧ SOUTH STAIR - ENLARGED PLAN
1/4" = 1'-0"

GENERAL NOTES ENLARGED PLANS:

A. REFERENCE SHEET A900 FOR PLUMBING FIXTURE MOUNTING HEIGHTS.

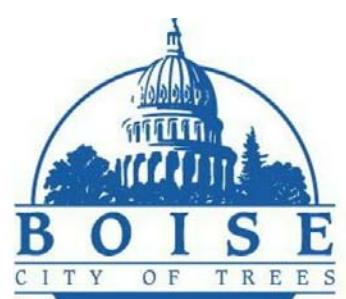
KEY NOTES:

1. 36" LAZY SUSAN CORNER CABINET.
2. DISHWASHER.
3. 36" SIDE BY SIDE S.S. REFRIGERATOR.
4. 36" FREESTANDING GAS STOVE/RANGE.
5. STAINLESS STEEL COUNTERTOP W/ INTEGRAL SINK.
6. COFFEE MAKER, BY OWNER.
7. COUNTERTOP MICROWAVE, BY OWNER.
8. EXHAUST HOOD, AS SPECIFIED. MOUNT BASE @ 54" A.F.F.
9. BARN DOOR W/ HANGING RAIL HARDWARE, SEE DOOR SCHEDULE.
10. 42" HIGH WALL MOUNTED GUARD RAIL.
11. 42" HIGH GUARD RAIL.
12. 36" HIGH HANDRAIL.
13. STRUCTURAL BRACED FRAME, RE: STRUCTURAL DWG'S.
14. EMERGENCY SHOWER/EYE WASH STATION.
15. FLOOR MOUNT MOP SINK.
16. 2 BASIN SINK INTEGRAL UNIT.
17. METAL GRATE.
18. WINDOW, PER PLAN.
19. FLOOR GRATE.
20. 14" DP. S.S. WALL MOUNTED SHELF w/ S.S. BRACKETS

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

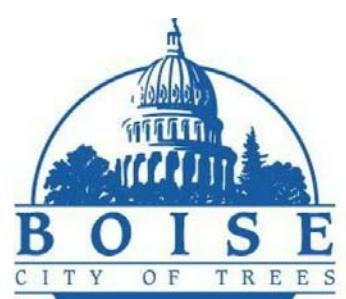
PROJECT NUMBER 15-28
PROJECT MANAGER R. TeBeau
PROJECT ARCHITECT R. TeBeau
DESIGN B. Harris / R. TeBeau
DRAWN BY M. Joseph

SHEET NAME:

ENLARGED PLANS

SHEET NUMBER:

A206



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

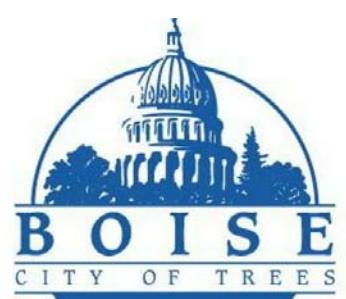
PROJECT NUMBER 15-28
PROJECT MANAGER R. TeBeau
PROJECT ARCHITECT R. TeBeau
DESIGN B. Harris / R. TeBeau
DRAWN BY M. Joseph

SHEET NAME:

ENLARGED PLANS

SHEET NUMBER:

A206



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

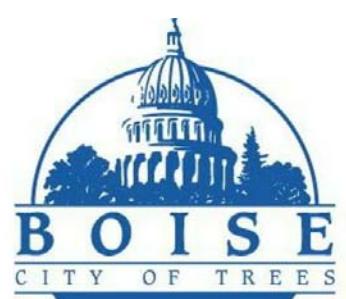
PROJECT NUMBER 15-28
PROJECT MANAGER R. TeBeau
PROJECT ARCHITECT R. TeBeau
DESIGN B. Harris / R. TeBeau
DRAWN BY M. Joseph

SHEET NAME:

ENLARGED PLANS

SHEET NUMBER:

A206



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28
PROJECT MANAGER R. TeBeau
PROJECT ARCHITECT R. TeBeau
DESIGN B. Harris / R. TeBeau
DRAWN BY M. Joseph

SHEET NAME:

ENLARGED PLANS

SHEET NUMBER:

A206

A

B

C

—

D

802 W. BANNOC

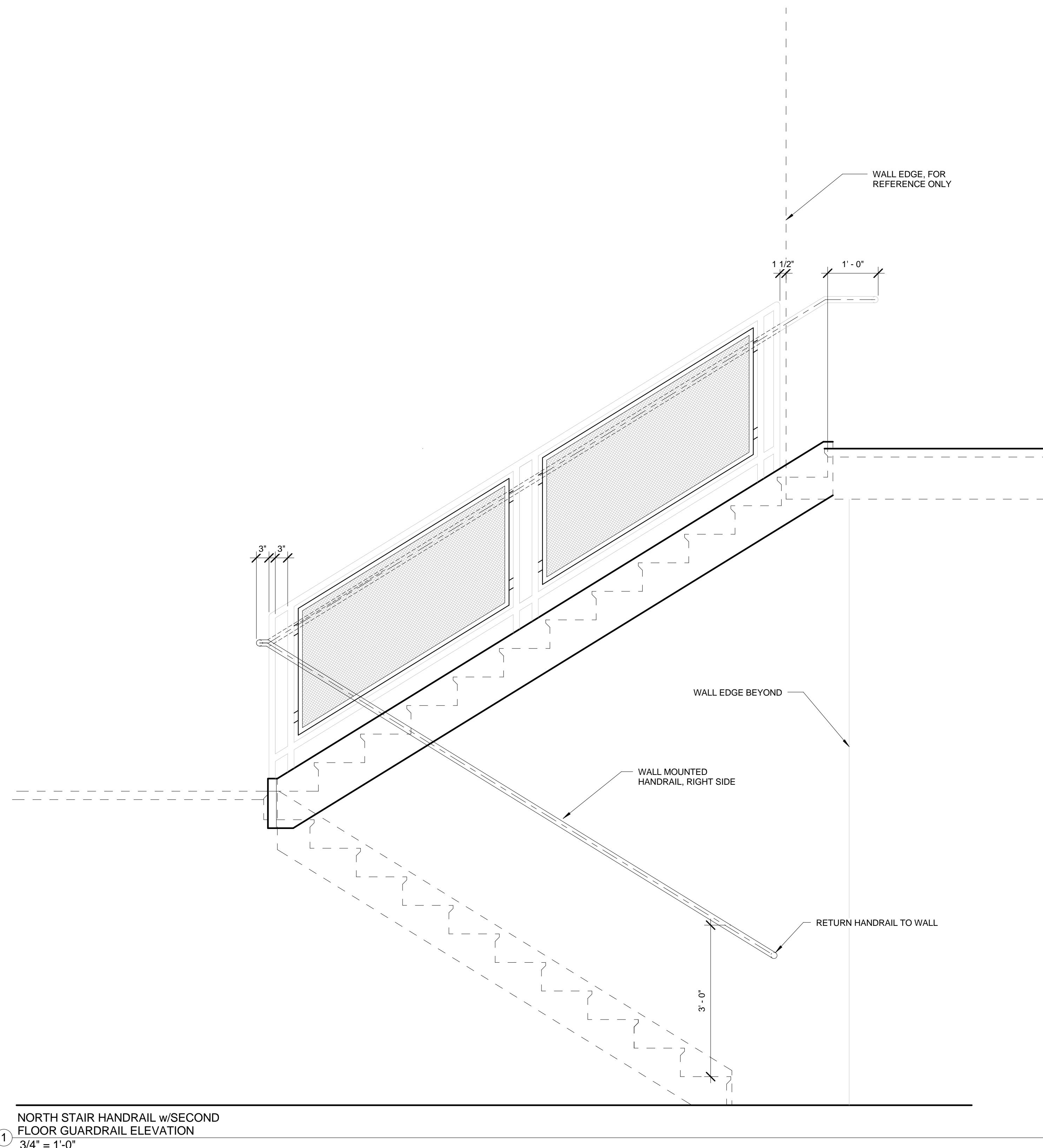
1

3

1

1

1



**NORTH STAIR HANDRAIL w/SECOND
FLOOR GUARDRAIL ELEVATION**

NORTH STAIR HANDRAIL W/SECURE FLOOR GUARDRAIL ELEVATION

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUIT 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

B

PROJECT INFORMATION:

City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE | 75% CD's

PROJECT NUMBER | 15-28

PROJECT MANAGER | R. TeBeau

PROJECT ARCHITECT | R. TeBeau

DESIGN | B. Harris/ R. TeBeau

DRAWN BY | Author

SHEET NAME:

DETAILS

D

SHEET NUMBER:

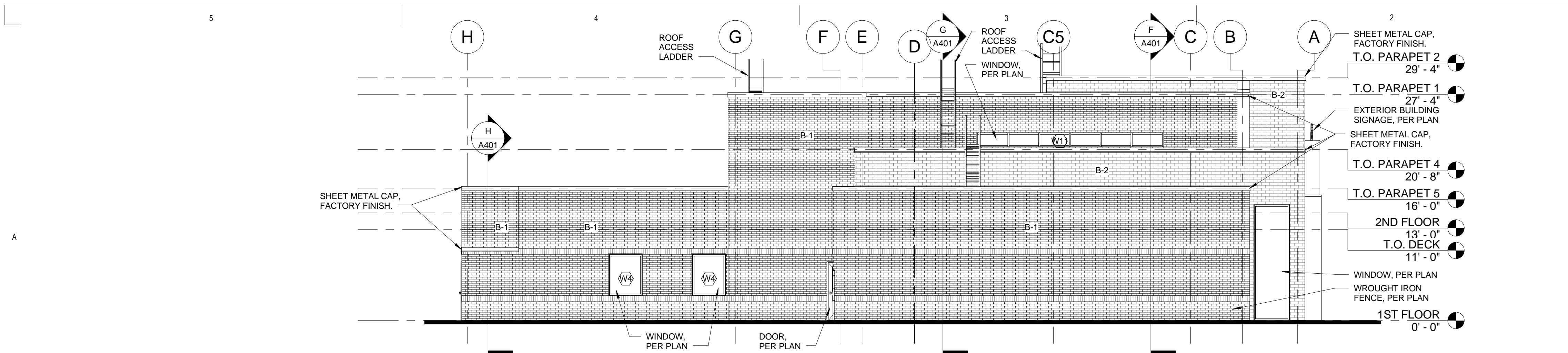
A208

A20g



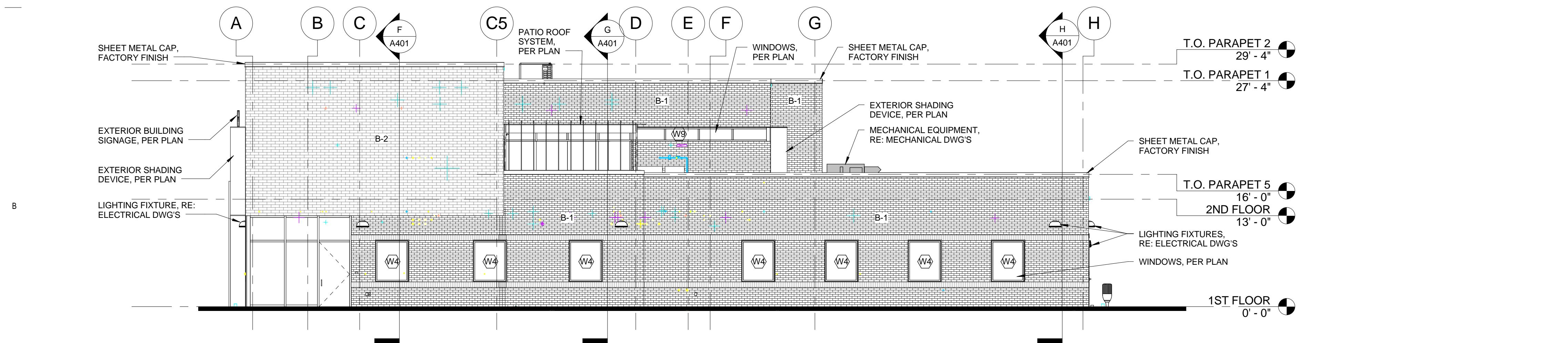
GENERAL NOTES EXT. ELEVATIONS:

- A. GENERAL NOTES APPLY TO ALL DRAWING SETS.
- B. RE: SHEET A700 FOR DOOR TYPES & SCHEDULE.
- C. RE: SHEET A701 FOR WINDOW TYPES.
- D. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
- E. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
- F. DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.



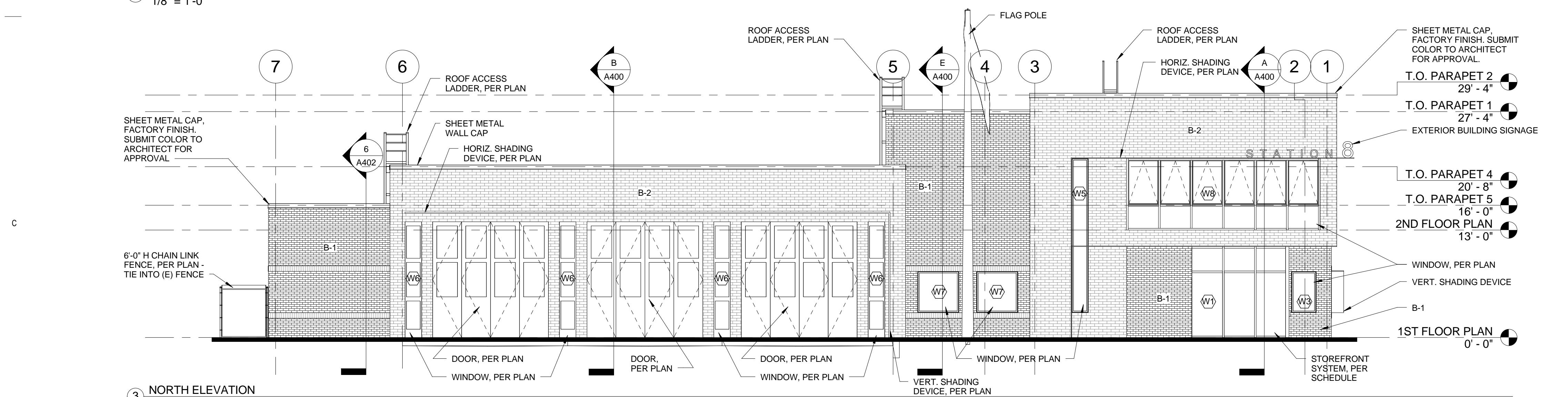
① EAST ELEVATION

1/8" = 1'-0"



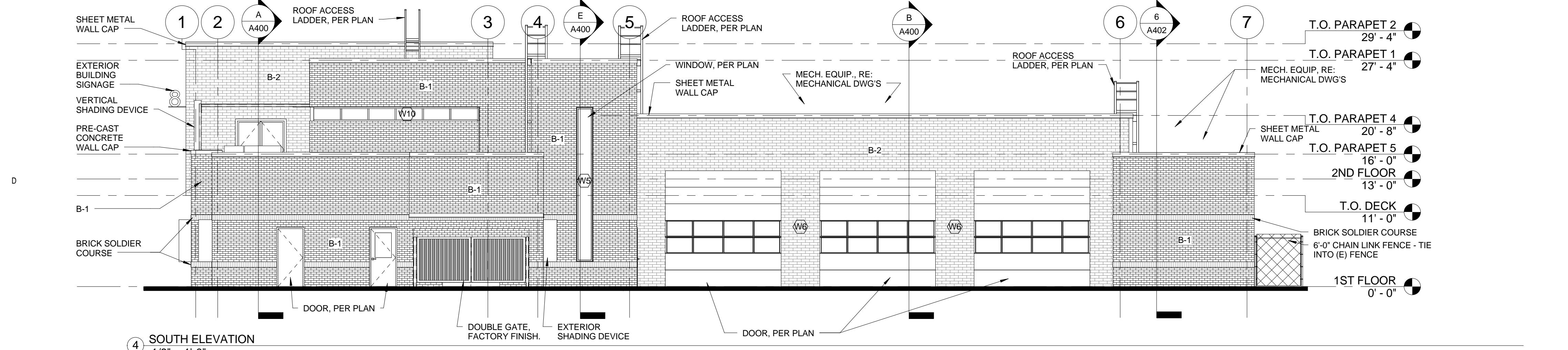
② WEST ELEVATION

1/8" = 1'-0"



③ NORTH ELEVATION

1/8" = 1'-0"



④ SOUTH ELEVATION

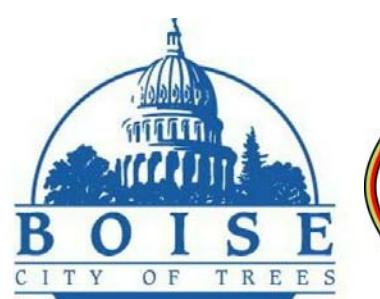
1/8" = 1'-0"

NOT FOR CONSTRUCTION

CONSULTANT:

B

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

C

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris / R. TeBeau
DRAWN BY	Author

SHEET NAME:

EXTERIOR ELEVATIONS

A300

SHEET NUMBER:

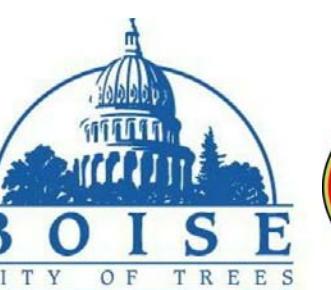
01.29.16

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE 75% CD's

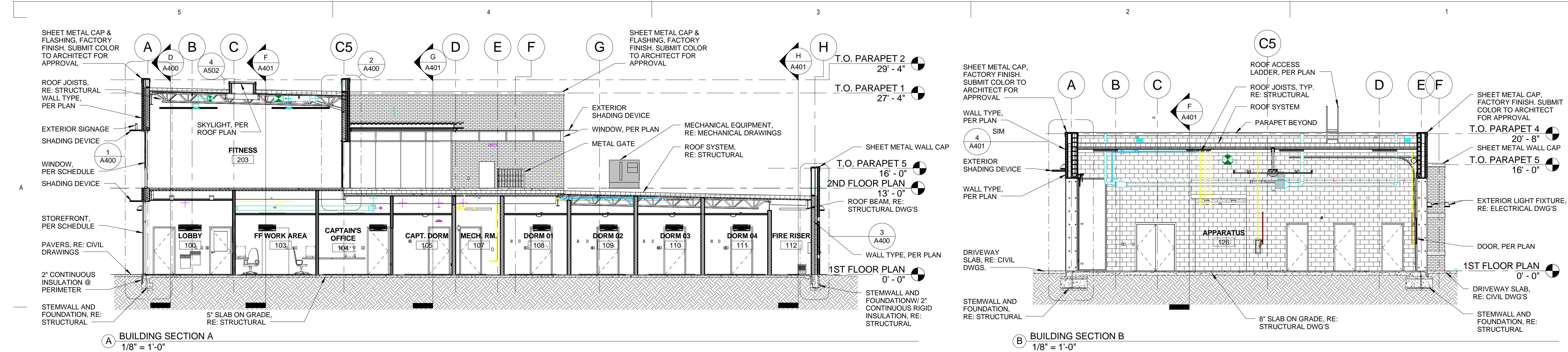
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris / R. TeBeau
DRAWN BY	R. TeBeau

SHEET NAME:

BUILDING & WALL SECTIONS

A400

01.29.16



NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE: 75% CD's

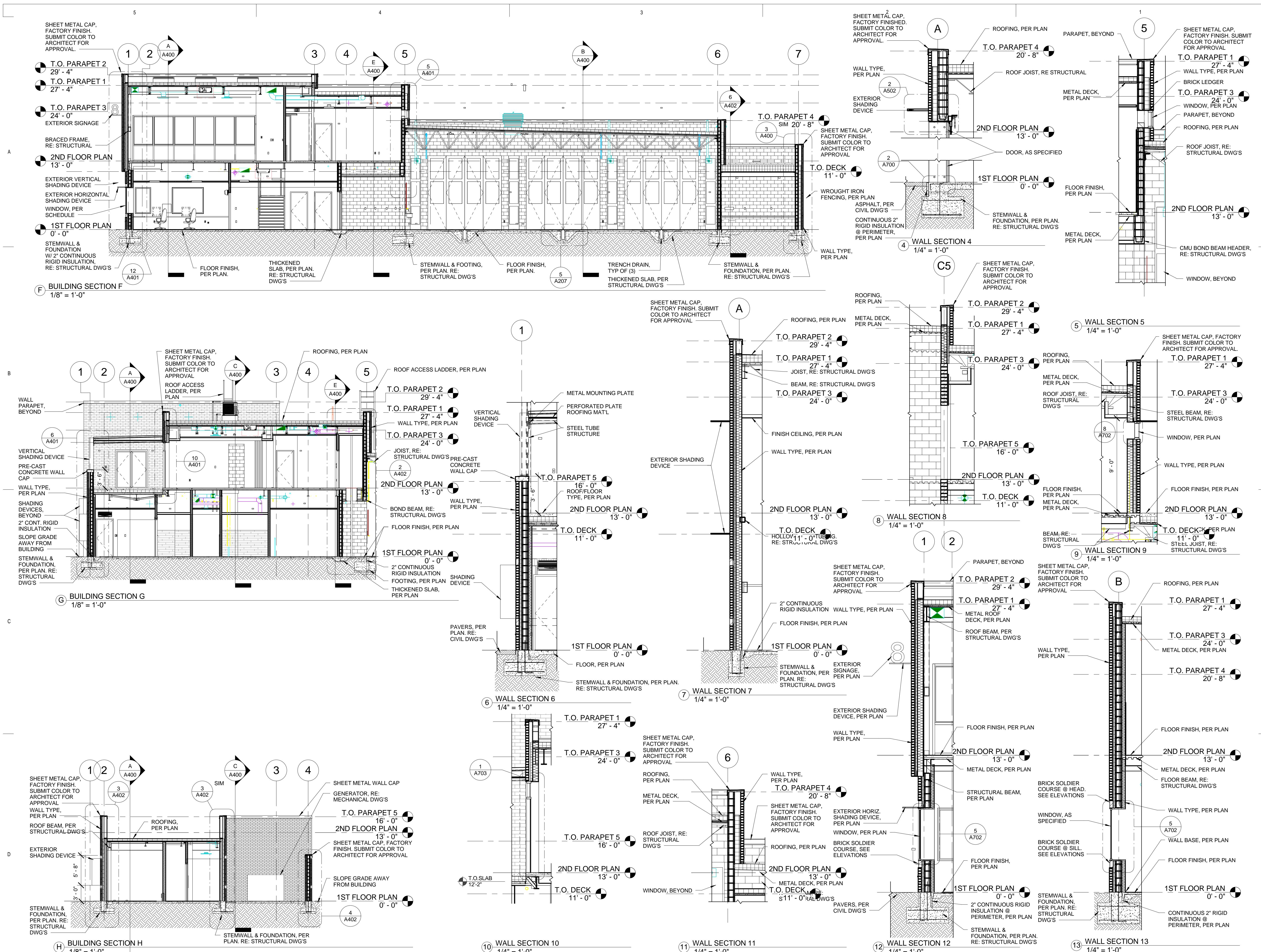
PROJECT PHASE	75% CD's
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris / R. TeBeau
DRAWN BY	Author

SHEET NAME:

BUILDING & WALL SECTIONS

A401

01.29.16





architecture • planning

TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

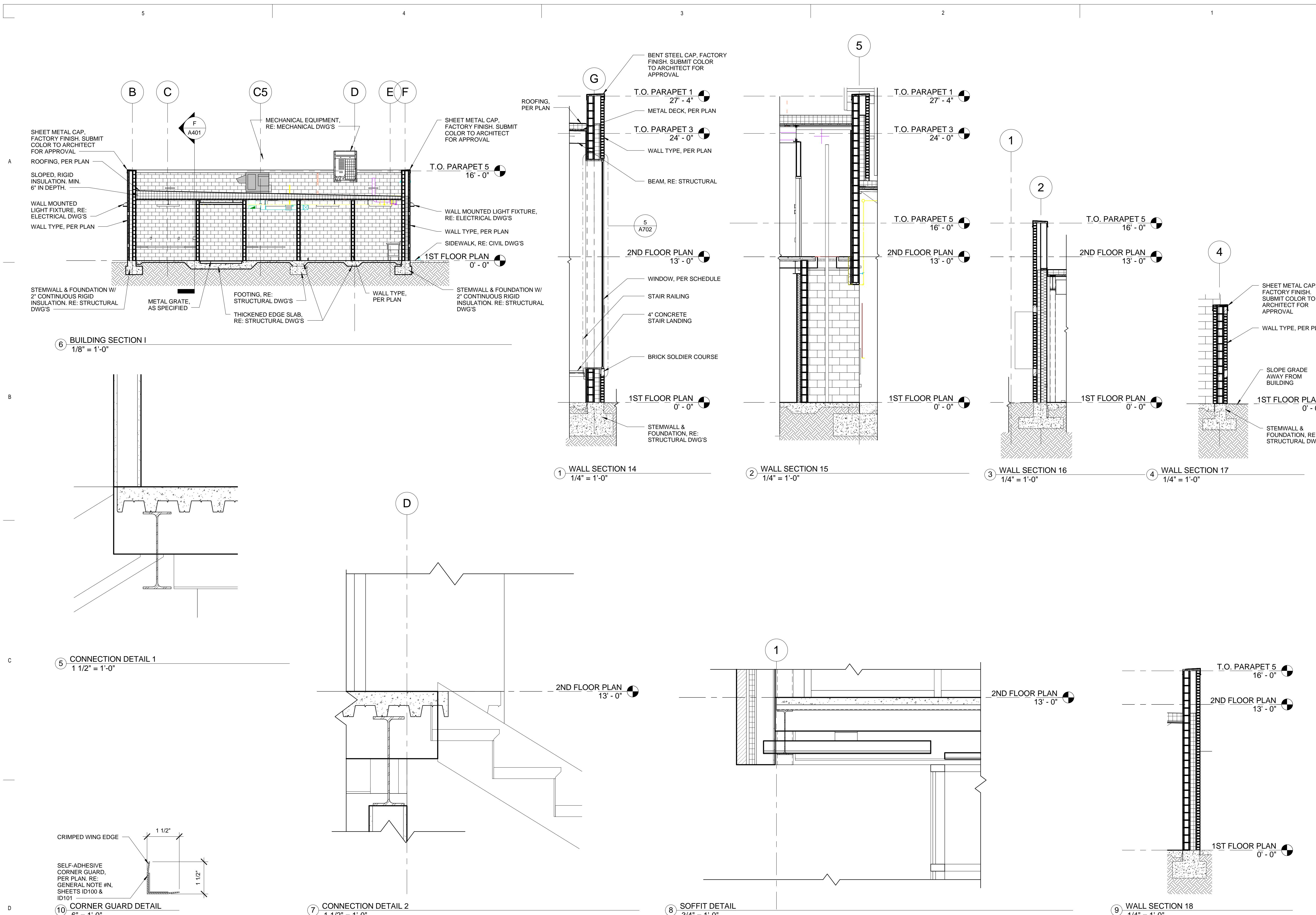
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

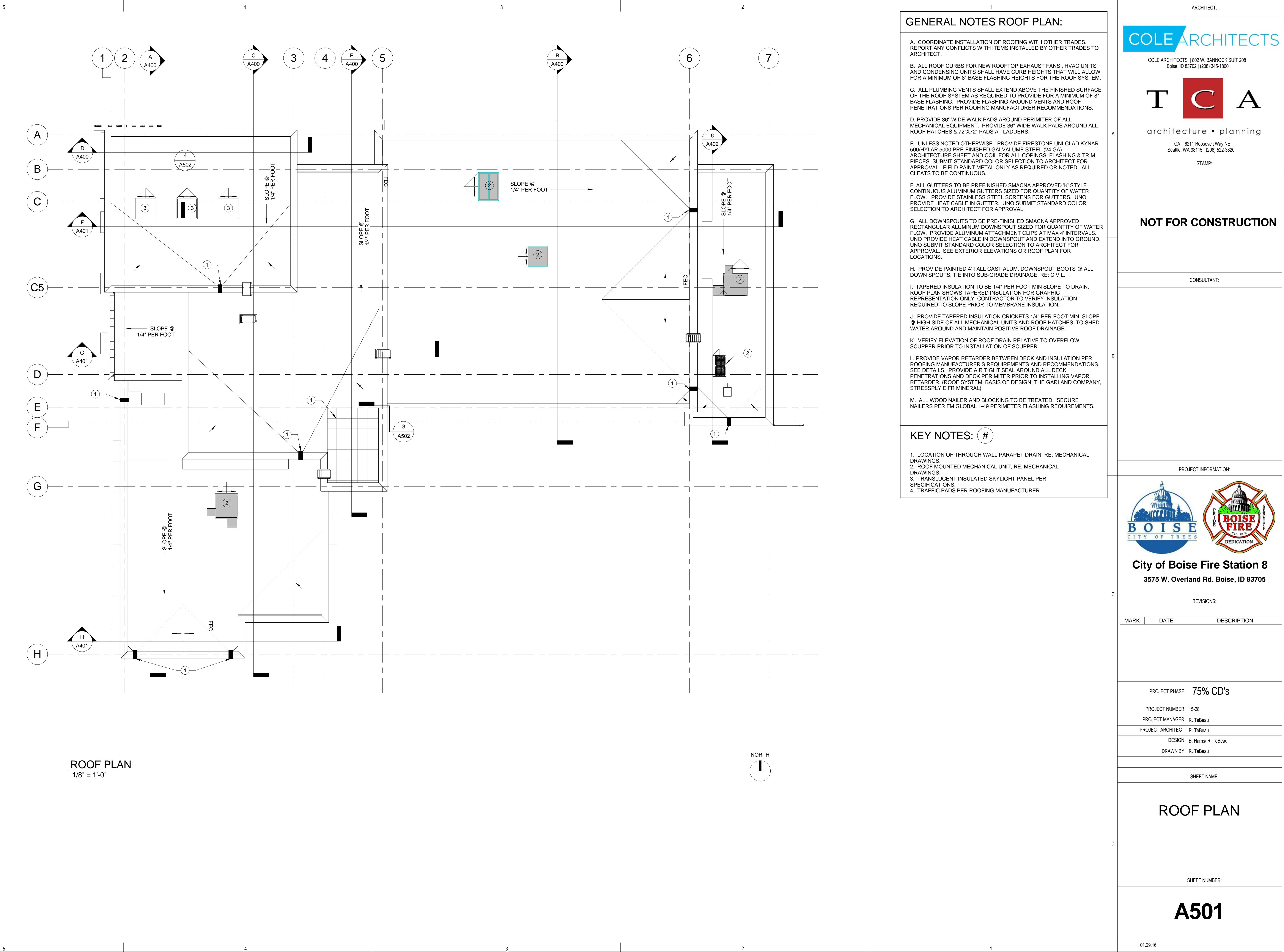
SHEET NAME:

WALL SECTIONS & DETAILS

SHEET NUMBER:

A402





COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-3820

architecture • planning

TCA | 6311 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

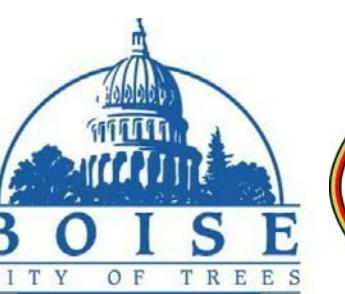
GENERAL NOTES ROOF PLAN:

A. COORDINATE INSTALLATION OF ROOFING WITH OTHER TRADES.
REPORT ANY CONFLICTS WITH ITEMS INSTALLED BY OTHER TRADES TO
ARCHITECT.B. ALL ROOF CURBS FOR NEW ROOFTOP EXHAUST FANS, HVAC UNITS
AND CONDENSING UNITS SHALL HAVE CURB HEIGHTS THAT WILL ALLOW
FOR A MINIMUM OF 8" BASE FLASHING HEIGHTS FOR THE ROOF SYSTEM.C. ALL PLUMBING VENTS SHALL EXTEND ABOVE THE FINISHED SURFACE
OF THE ROOF SYSTEM AS REQUIRED TO PROVIDE FOR A MINIMUM OF 8"
BASE FLASHING. PROVIDE FLASHING AROUND VENTS AND ROOF
PENETRATIONS PER ROOFING MANUFACTURER RECOMMENDATIONS.D. PROVIDE 36" WIDE WALK PADS AROUND PERIMETER OF ALL
MECHANICAL EQUIPMENT. PROVIDE 36" WIDE WALK PADS AROUND ALL
ROOF HATCHES & 72"X72" PADS AT LADDERS.E. UNLESS NOTED OTHERWISE, PROVIDE FIRESTONE UNI-CLAD KYNAR
500/HYLAR 5000 PRE-FINISHED GALVANIZED STEEL (24 GA)
ARCHITECTURE SHEET AND COIL FOR ALL COPINGS, FLASHING & TRIM
PIECES. SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR
APPROVAL. FIELD PAINT METAL ONLY AS REQUIRED OR NOTED. ALL
CLEATS TO BE CONTINUOUS.F. ALL GUTTERS TO BE PRE-FINISHED SMACNA APPROVED 'K' STYLE
CONTINUOUS ALUMINUM GUTTERS SIZED FOR QUANTITY OF WATER
FLOW. PROVIDE STAINLESS STEEL SCREENS FOR GUTTERS. UNO
PROVIDE HEAT CABLE IN DOWNSPOUT AND EXTEND INTO GROUND.
UNO SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR
APPROVAL. SEE EXTERIOR ELEVATIONS OR ROOF PLAN FOR
LOCATIONS.G. ALL DOWNSPOUTS TO BE PRE-FINISHED SMACNA APPROVED
RECTANGULAR ALUMINUM DOWNSPOUTS SIZED FOR QUANTITY OF WATER
FLOW. PROVIDE STAINLESS STEEL SCREENS FOR GUTTERS. UNO
PROVIDE HEAT CABLE IN DOWNSPOUT AND EXTEND INTO GROUND.
UNO SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR
APPROVAL. SEE EXTERIOR ELEVATIONS OR ROOF PLAN FOR
LOCATIONS.H. PROVIDE PAINTED 4" TALL CAST ALUM. DOWNSPOUT BOOTS @ ALL
DOWN SPOUTS. TIE INTO SUB-GRADE DRAINAGE, RE: CIVIL.I. TAPERED INSULATION TO BE 1/4" PER FOOT MIN SLOPE TO DRAIN.
ROOF PLAN SHOWS TAPERED INSULATION FOR GRAPHIC
REPRESENTATION ONLY. CONTRACTOR TO VERIFY INSULATION
REQUIRED TO SLOPE PRIOR TO MEMBRANE INSULATION.J. PROVIDE TAPERED INSULATION CRICKETS 1/4" PER FOOT MIN. SLOPE
@ HIGH SIDE OF ALL MECHANICAL UNITS AND ROOF HATCHES, TO SHED
WATER AROUND AND MAINTAIN POSITIVE ROOF DRAINAGE.K. VERIFY ELEVATION OF ROOF DRAIN RELATIVE TO OVERFLOW
SCUPPER PRIOR TO INSTALLATION OF SCUPPERL. PROVIDE VAPOR RETARDER BETWEEN DECK AND INSULATION PER
ROOFING MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
SEE DETAILS. PROVIDE AIR TIGHT SEAL AROUND ALL DECK
PENETRATIONS AND DECK PERIMETER PRIOR TO INSTALLING VAPOR
RETARDER. (ROOF SYSTEM, BASIS OF DESIGN: THE GARLAND COMPANY,
STRESSPLY E FR MINERAL)M. ALL WOOD NAILER AND BLOCKING TO BE TREATED. SECURE
NAILERS PER FM GLOBAL 1-49 PERIMETER FLASHING REQUIREMENTS.

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD's
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/ R. TeBeau
DRAWN BY	Author
SHEET NAME:	

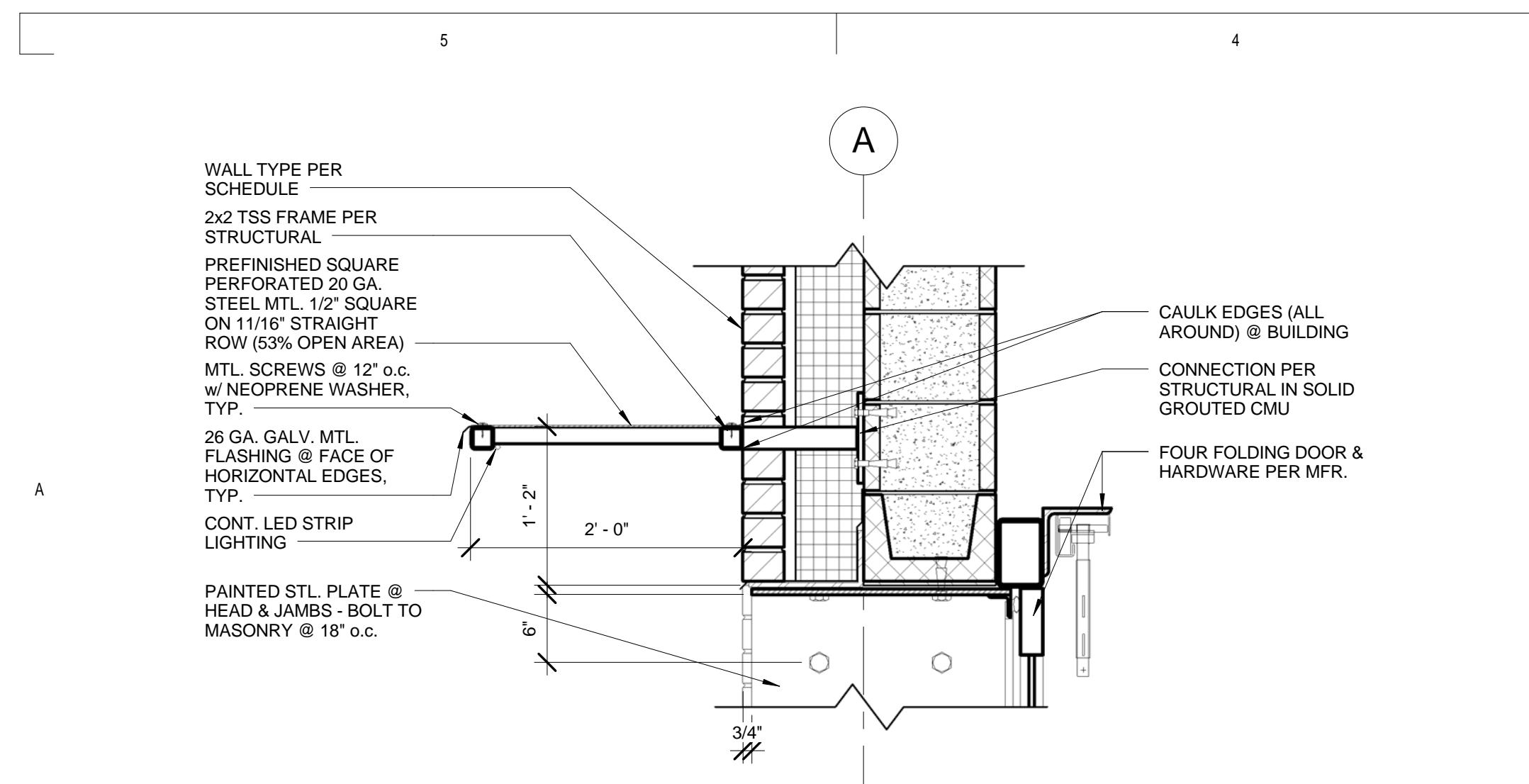
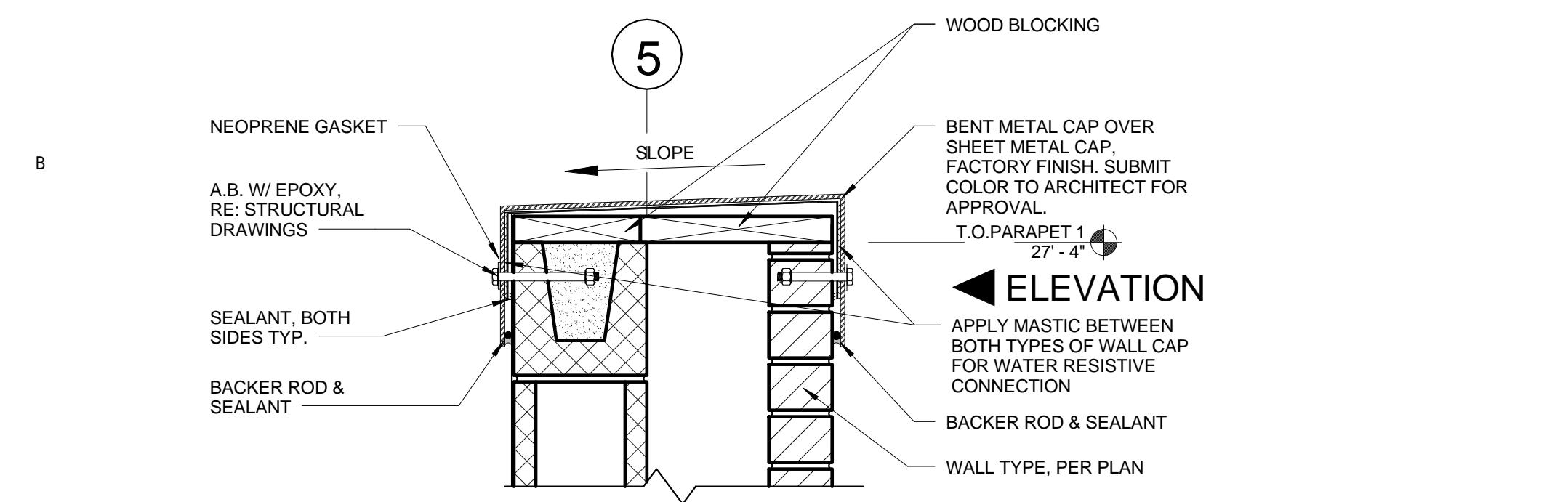
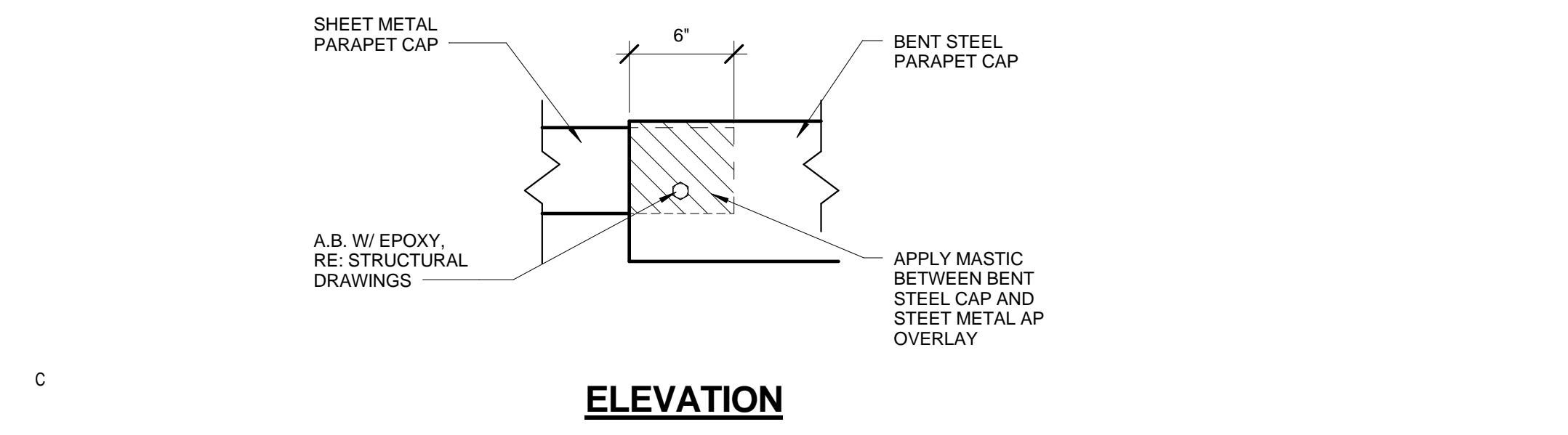
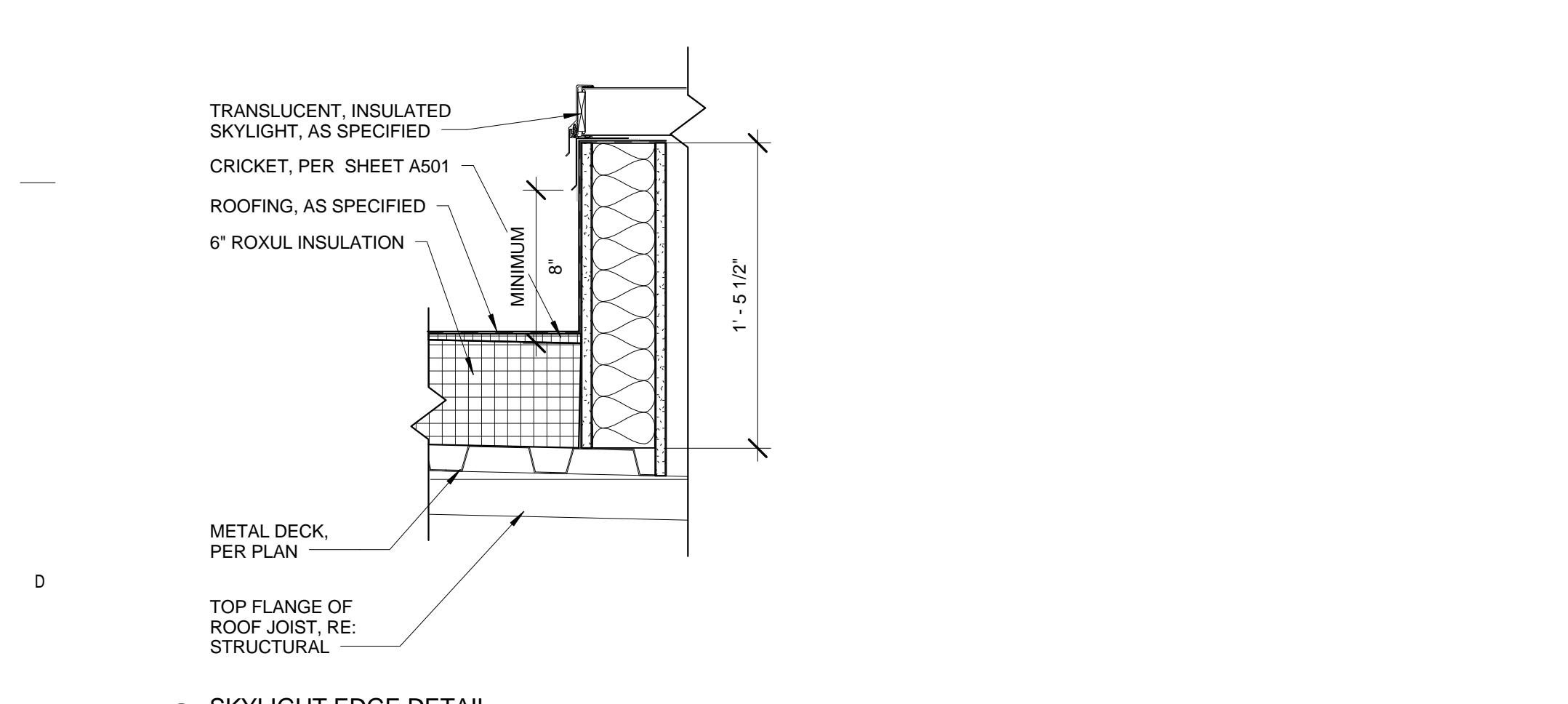
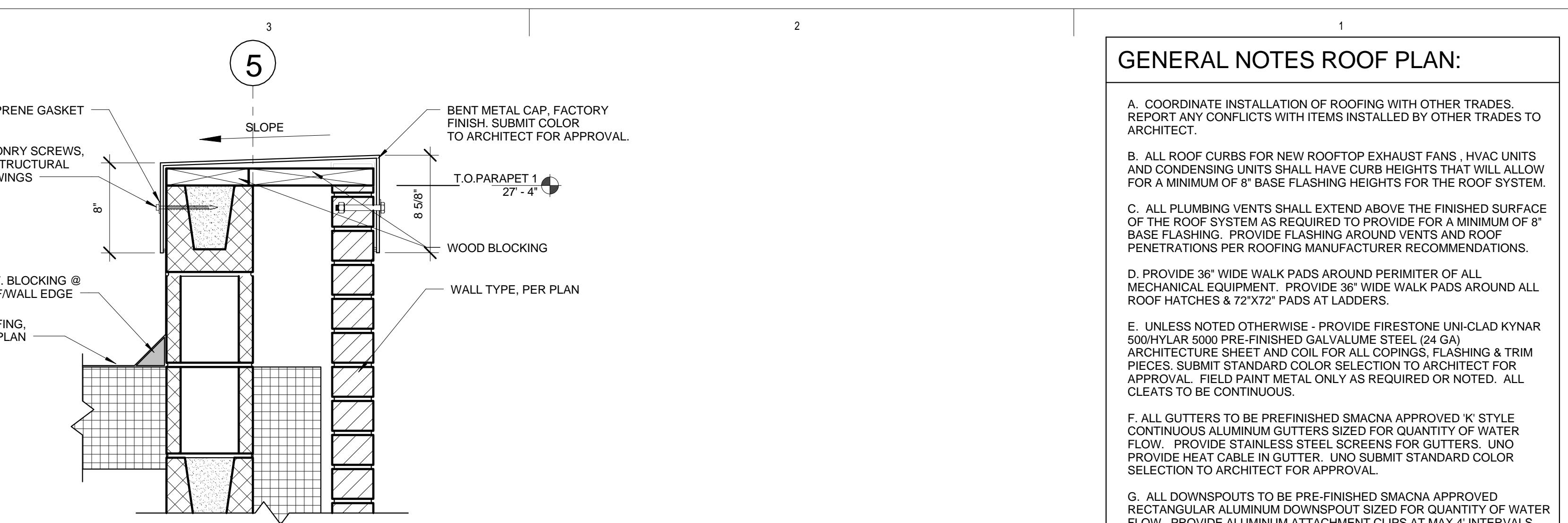
ROOF DETAILS

D

SHEET NUMBER:

A502

01.29.16

(2) CANOPY SECTION DETAIL
1" = 1'-0"(1) BENT CHANNEL WALL CAP
1 1/2" = 1'-0"(3) BENT STL. CAP OVER SHT. MTL. CAP
1 1/2" = 1'-0"(4) SKYLIGHT EDGE DETAIL
1 1/2" = 1'-0"(5) BENT METAL CAP
1 1/2" = 1'-0"

5 4 3 2 1



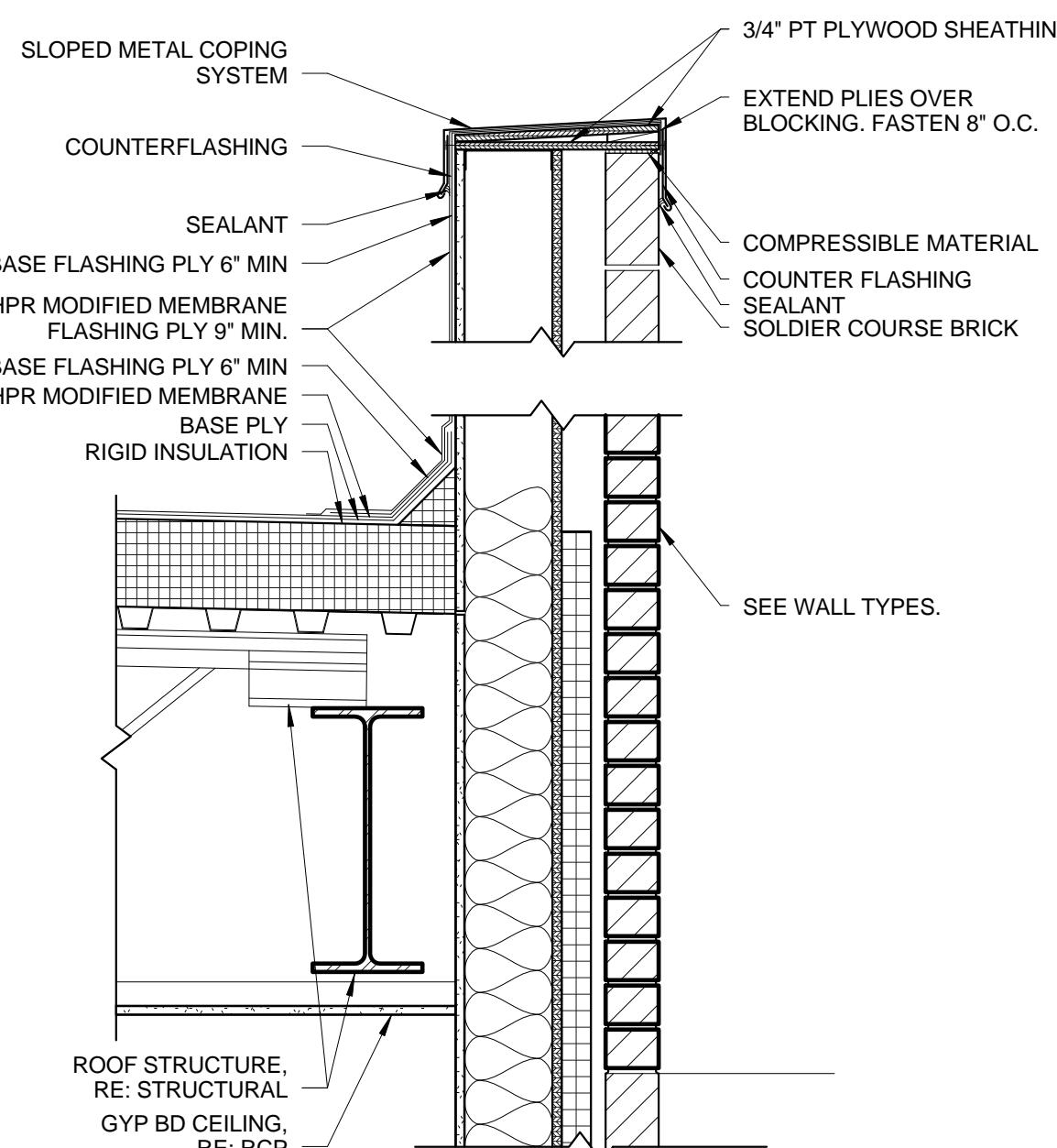
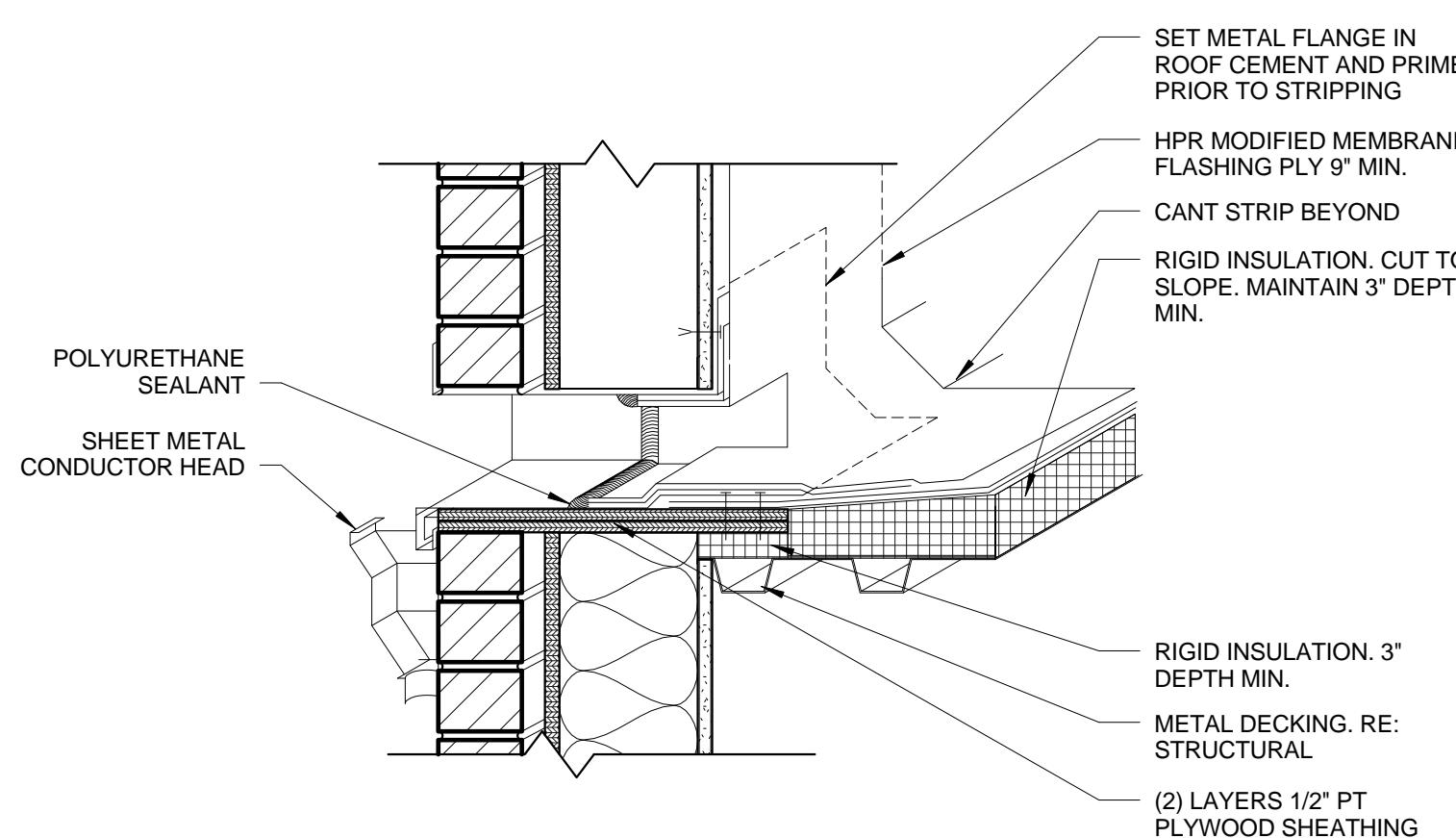
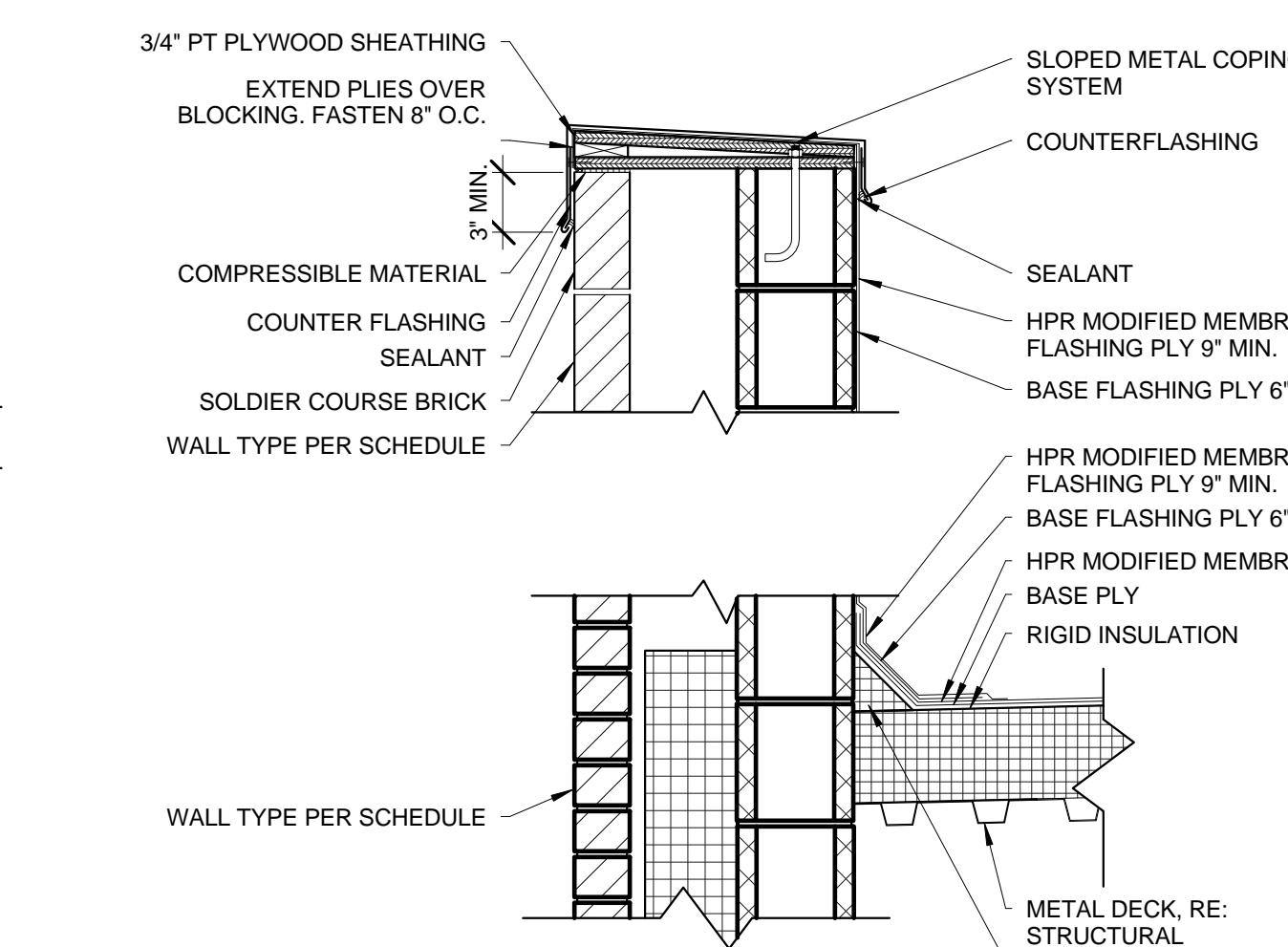
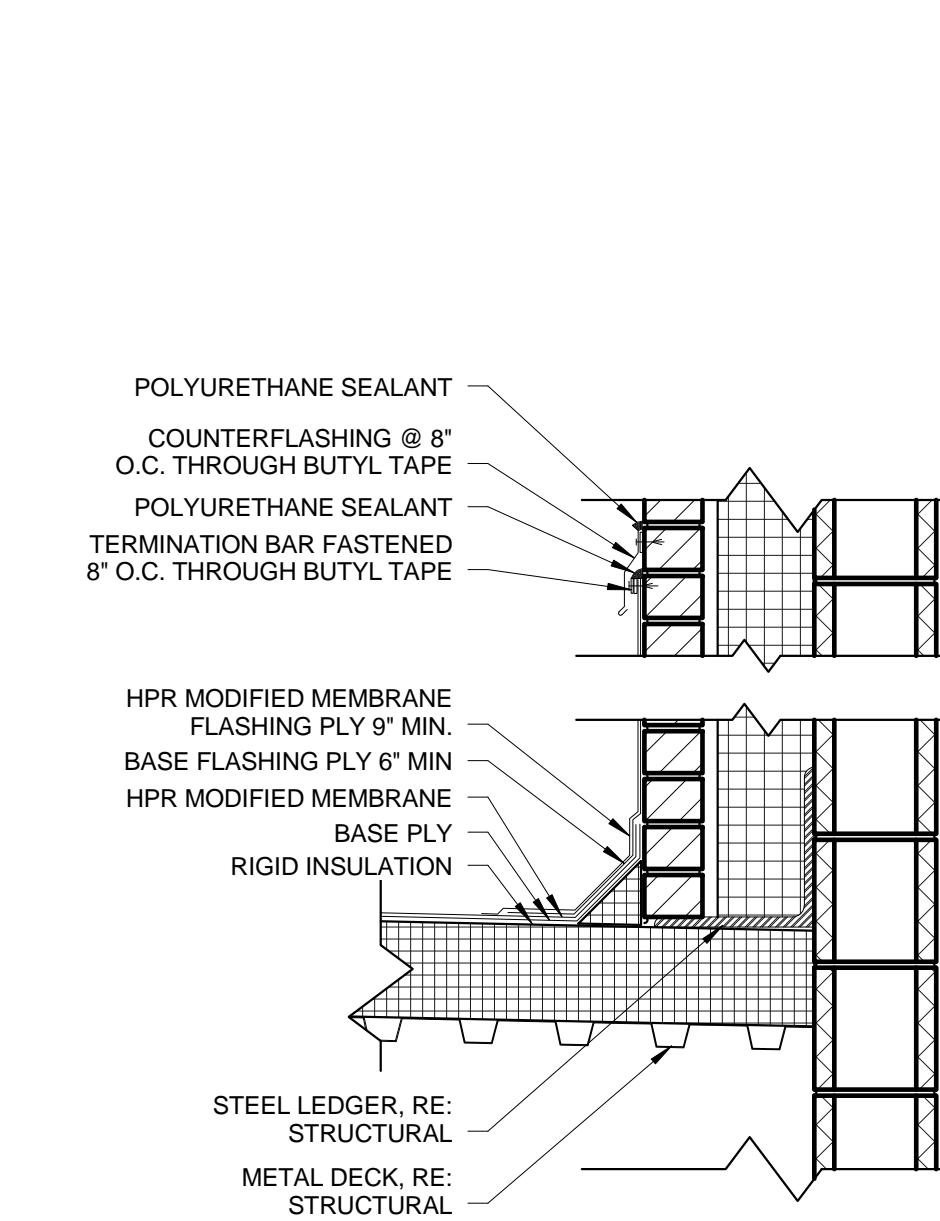
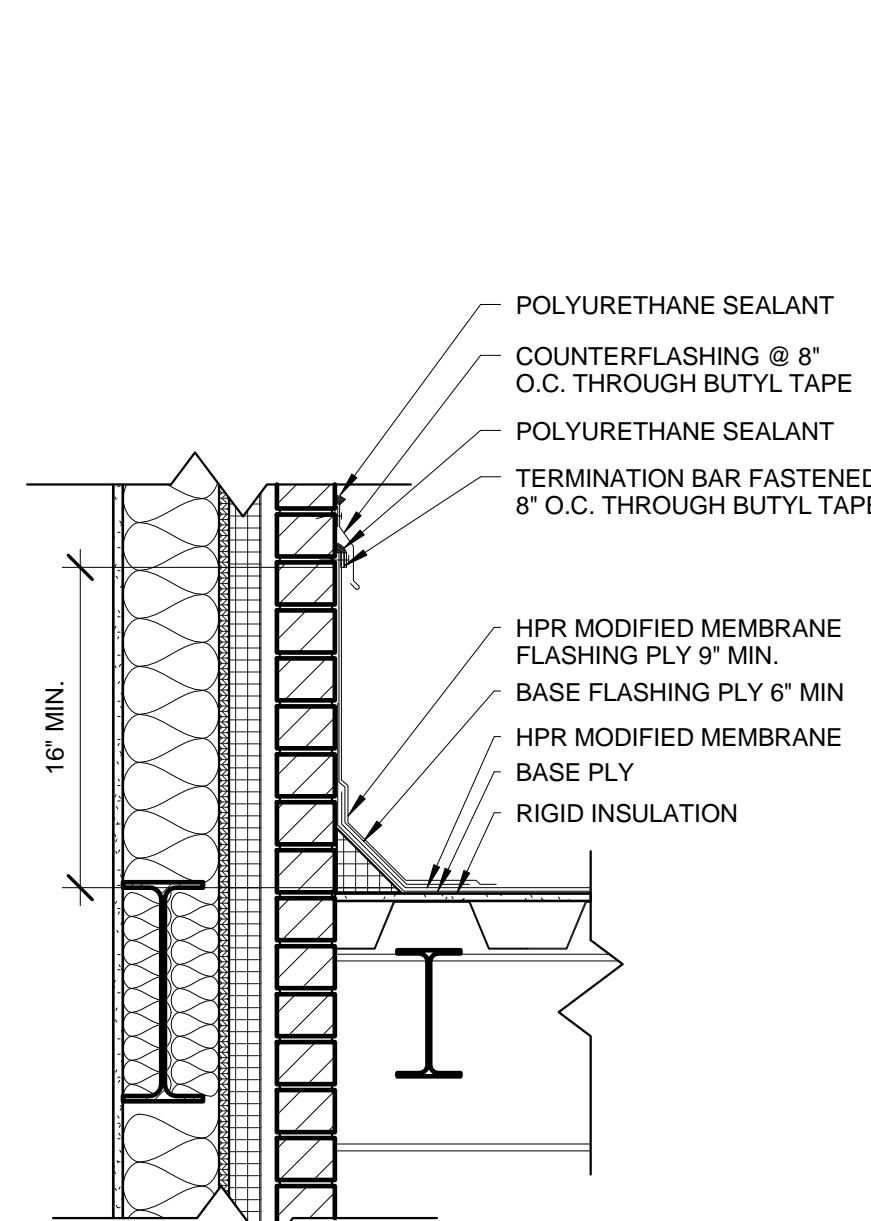
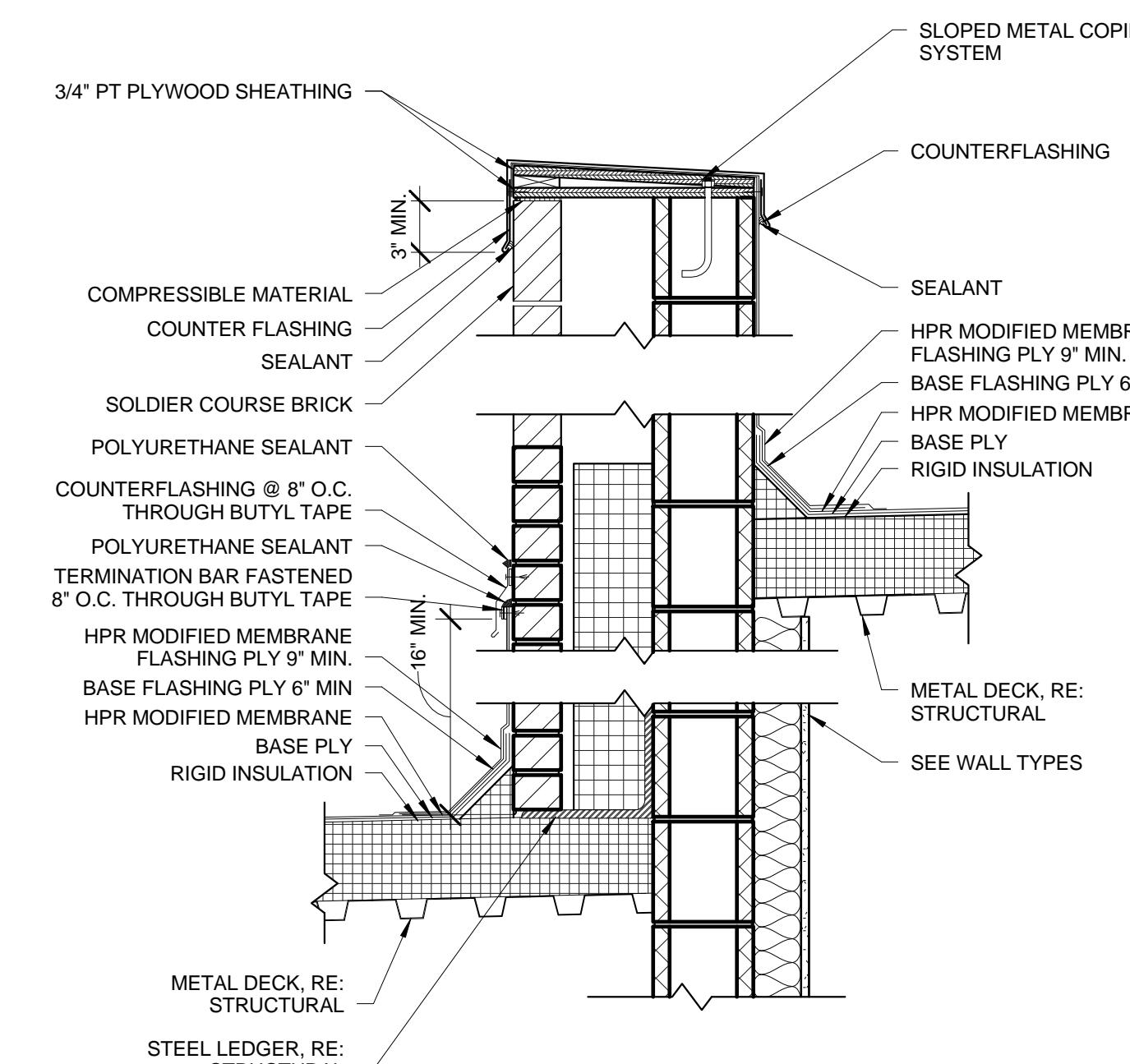
architecture • planning

TCA | 3211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

**City of Boise Fire Station 8**

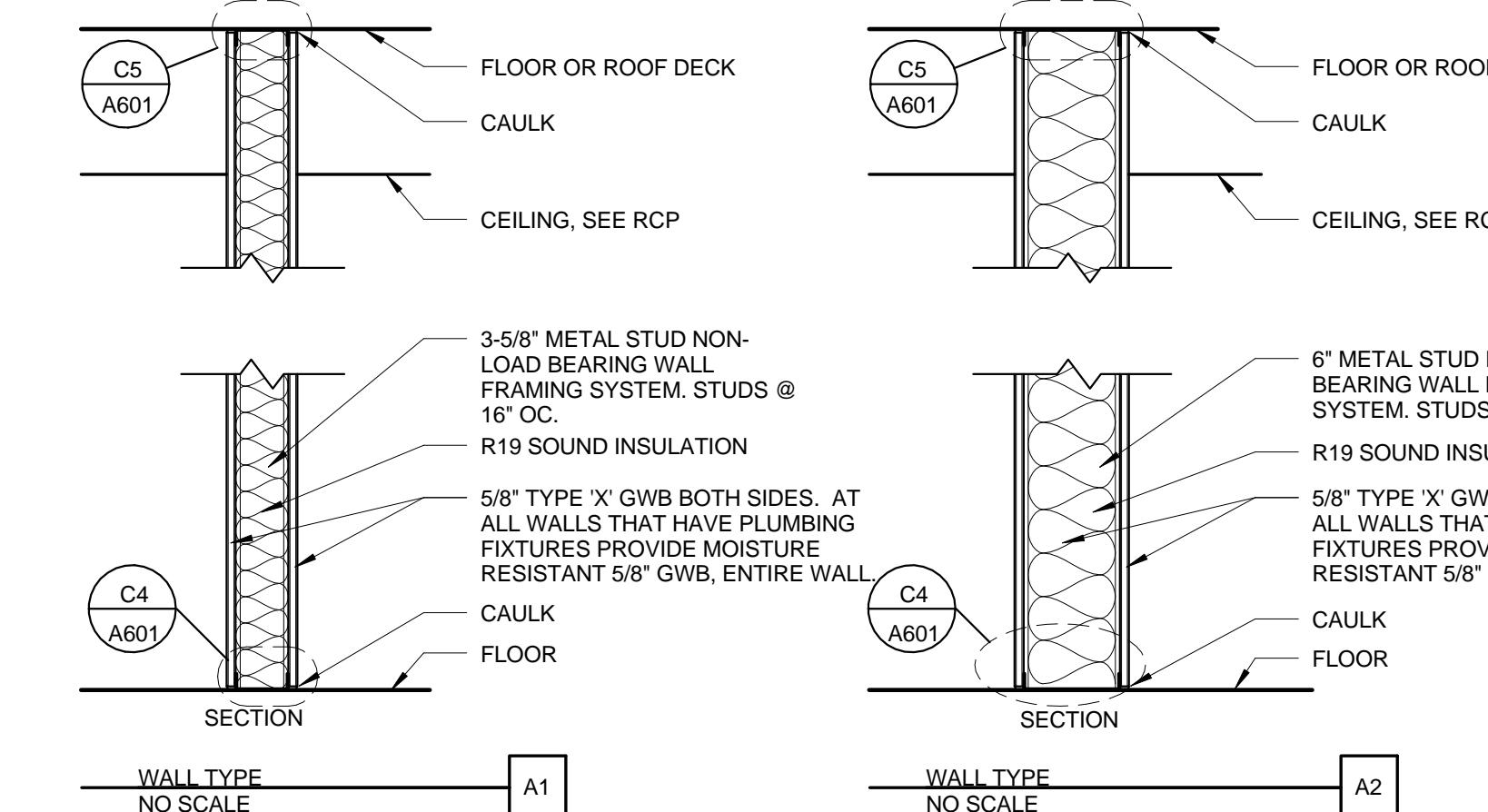
3575 W. Overland Rd. Boise, ID 83705

PROJECT INFORMATION:

MARK	DATE	DESCRIPTION
PROJECT PHASE	75% CD's	
PROJECT NUMBER	15-28	
PROJECT MANAGER	R. TeBeau	
PROJECT ARCHITECT	R. TeBeau	
DESIGN	B. Harris/ R. TeBeau	
DRAWN BY	Author	
SHEET NAME:		

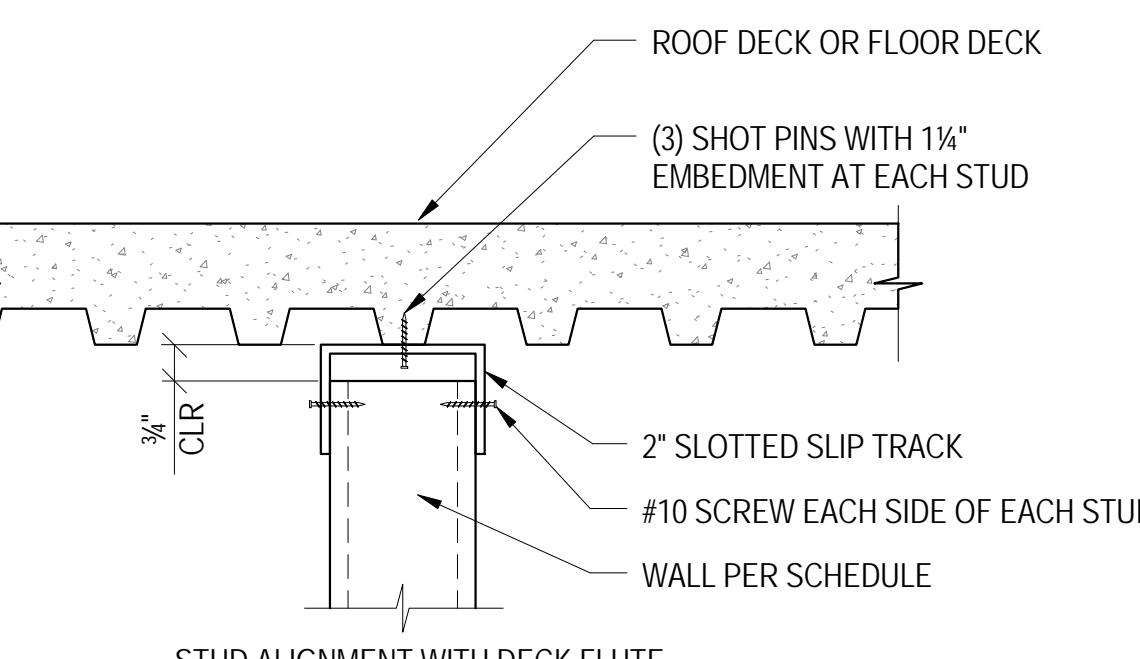
ROOF DETAILS

A503	01.29.16



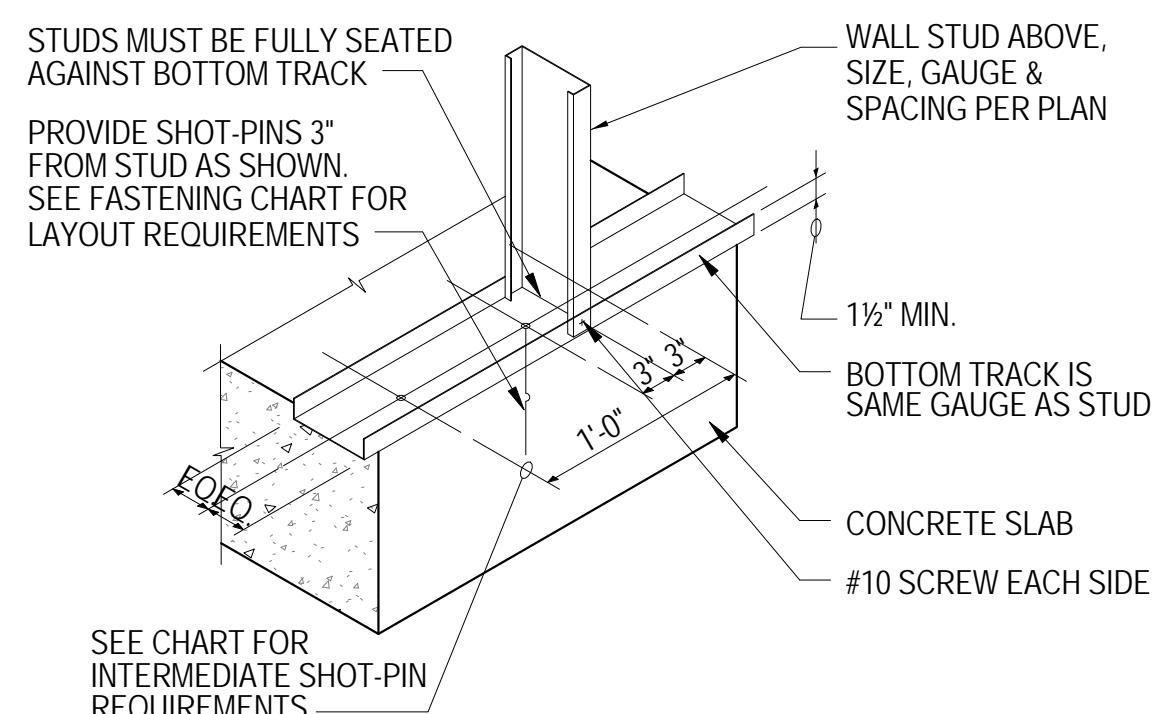
(A) WALL TYPES - METAL STUD

1" = 1'-0"



FASTENING CHART	
WALL CONDITION	FASTENING REQUIREMENT
FULL HEIGHT STUD WALLS	(1) SHOT-PIN @ 24" O.C., PROVIDE (1) SHOT-PIN WITHIN 9" OF WALL END OR JAMB

NOTES:
1. All "shot-pins" shall be low velocity type fasteners as manufactured by Hilti corporation. Attach light-gage material to concrete with Hilti X-U 27 P8-S15 (ERS-2269)



WALL TYPES - METAL STUD - SLIP TRACK CONNECTION

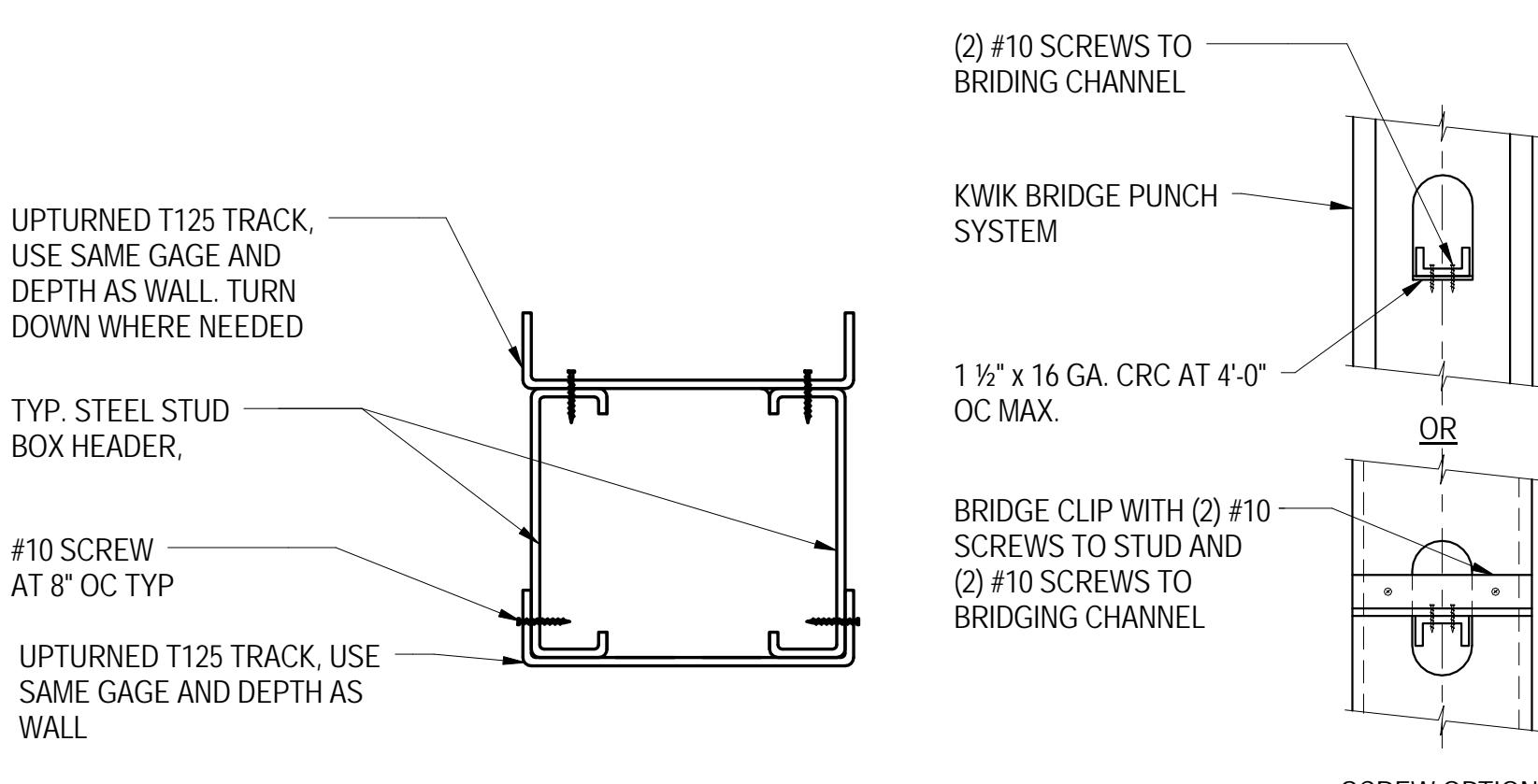
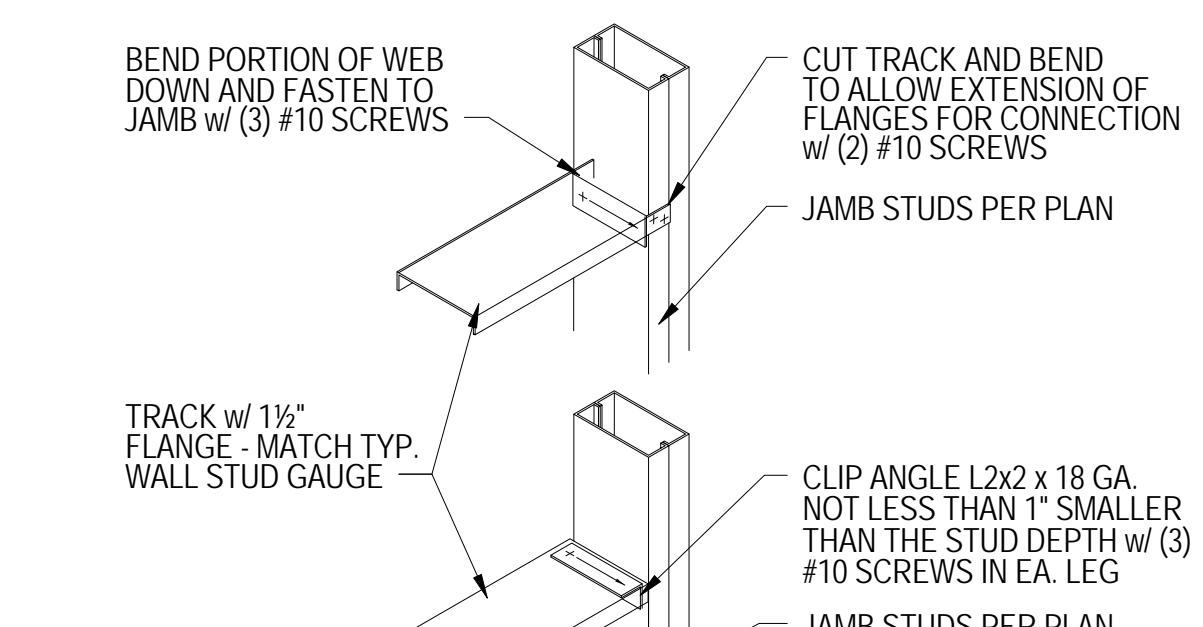
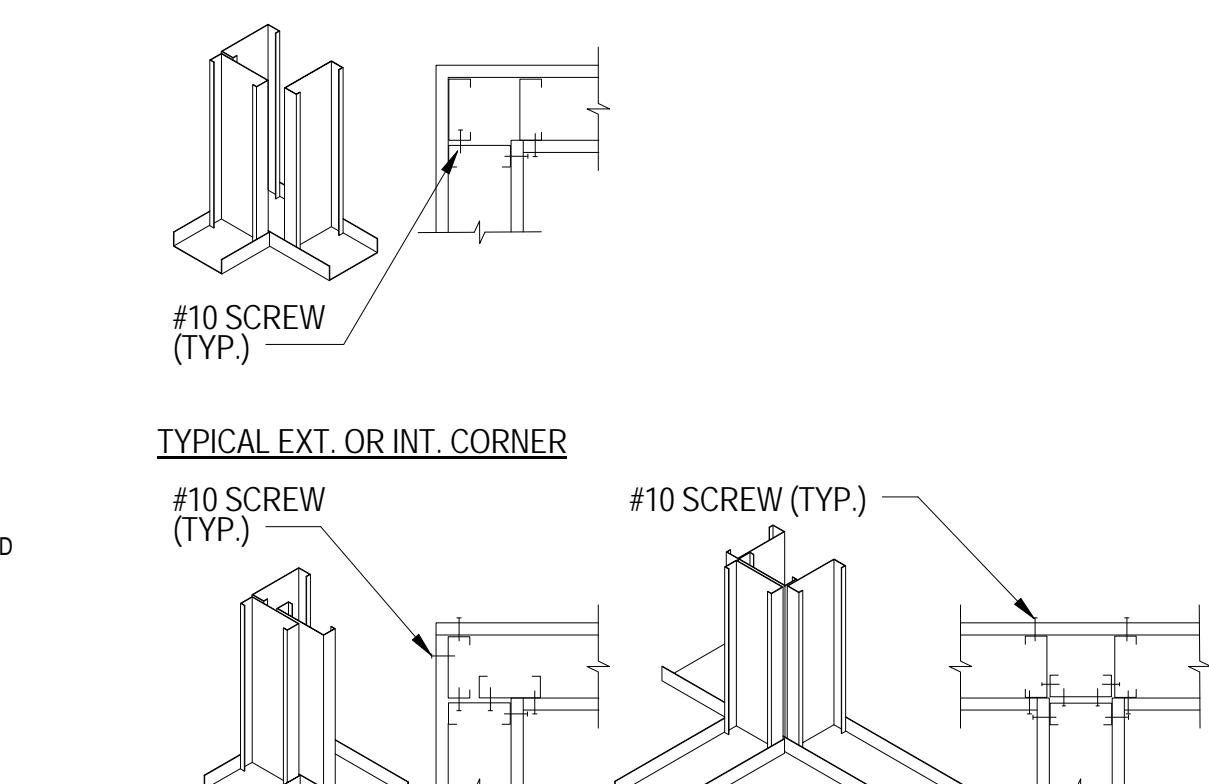
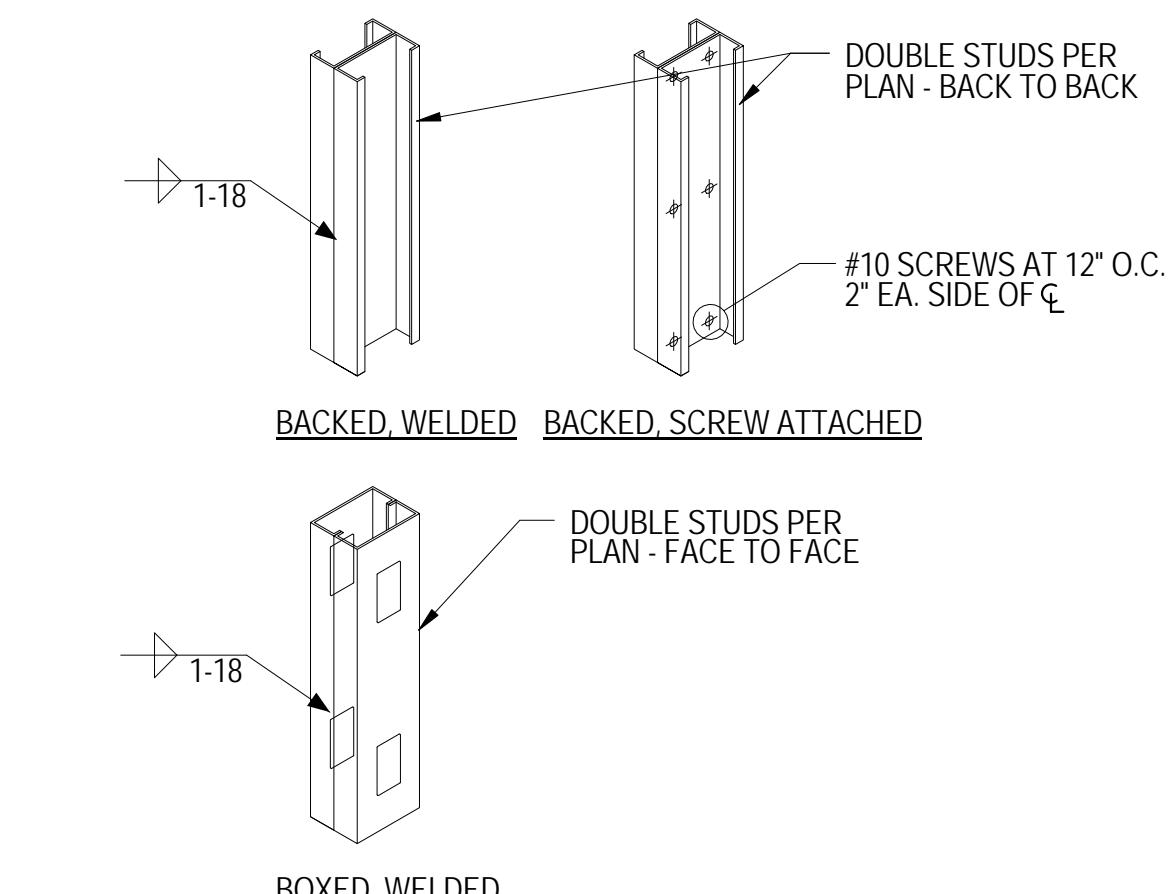
3/4" = 1'-0"

WALL TYPES - METAL STUD - TYP. BOT. TRACK ANCHORAGE TO CONC SLAB-ON GRADE OR ELEVATED DECK

3/4" = 1'-0"

DEPTH OF TRACK OR STUDS	STUD SCREWS TO JAMB	TRACK SCREWS TO JAMB
12 INCHES	2-ROWS OF 4 EACH SIDE 16-TOTAL	1-ROW OF 4 TOP AND BOTTOM 8-TOTAL
10 INCHES	2-ROWS OF 3 EACH SIDE 12-TOTAL	1-ROW OF 4 TOP AND BOTTOM 8-TOTAL
8 INCHES	2-ROWS OF 3 EACH SIDE 12-TOTAL	1-ROW OF 3 TOP AND BOTTOM 6-TOTAL
6 INCHES	2-ROWS OF 3 EACH SIDE 12-TOTAL	1-ROW OF 3 TOP AND BOTTOM 6-TOTAL
4 INCHES	2-ROWS OF 2 EACH SIDE 8-TOTAL	1-ROW OF 3 TOP AND BOTTOM 6-TOTAL

NOTE:
1. All connections are to be made with #10 screws.



GENERAL NOTES WALL TYPES:

- A. REFERENCE WALL TYPES FROM FLOOR OR DIMENSION PLANS.
- B. CONSTRUCT WALLS PER TYPICAL DETAILS THIS SHEET.
 - 1. STEEL STUD CONNECTION SCHEDULE.
 - 2. JAMB AT VERTICAL OPENINGS.
 - 3. WALL INTERSECTIONS.
 - 4. SILICATE FRAMED OPENINGS.
 - 5. BOX HEADER.
 - 6. COLD ROLLED CHANNEL BRIDGING.



NOT FOR CONSTRUCTION

CONSULTANT: _____



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS: _____

MARK DATE DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28
PROJECT MANAGER R. TeBeau
PROJECT ARCHITECT R. TeBeau
DESIGN B. Harris / R. TeBeau
DRAWN BY Author

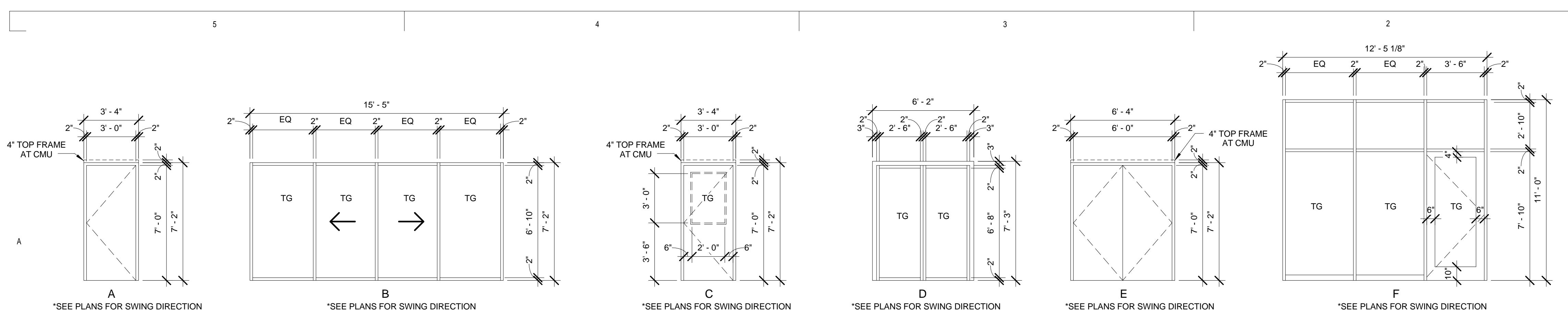
SHEET NAME: _____

METAL STUD WALL TYPES

SHEET NUMBER: _____

A601

01.29.16



GENERAL NOTES DOOR SCHEDULE:

A. REFER TO SHEET ID100 FOR FINISH ABBREVIATIONS.

<u>DOOR SCHEDULE ABBREVIATIONS:</u>	
ALSF	ALUMINUM STORE FRONT
ALUM	ALUMINUM
CLR	CLEAR ANODIZED ALUMINUM
EXT	EXTERIOR
FF	FACTORY FINISH
GL	GLASS
HM	HOLLOW METAL
INS	INSULATED
LAM	LAMINATE
MTL	METAL
PT	PAINT
TG	TEMPERED GLASS
WD	WOOD

* SEE SPECIFICATIONS FOR DOOR HARWARE SCHEDULE



NOT FOR CONSTRUCTION

CONSULTANT:

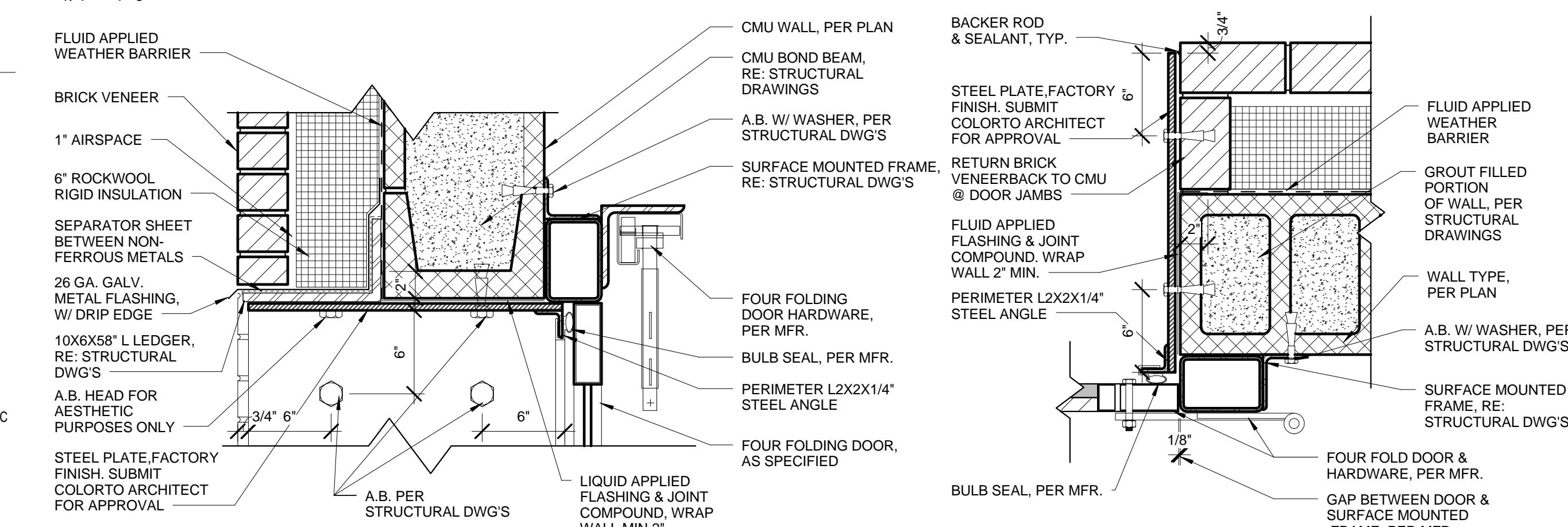
City of Boise Fire Station 8

REVISIONS:

DOOR AND FRAME SCHEDULE																
IDENTIFICATION			DOOR							FRAME			HW		REMARKS	
ROOM NO.	ROOM NAME	DOOR NO.	W	H	T	TYPE	MATL	FINISH	GLAZING	FRAME DETAIL			GROUP	ELECTRICAL		
										TYPE	MTL	FINISH				
100	LOBBY	100A	3' - 8 3/16"	7' - 10"	0' - 1 3/4"	F	ALSF	CLR ANO	TG		ALSF	CLR ANO				
100	LOBBY	100B	3' - 0"	7' - 0"	0' - 1 3/4"	C	WD	VEEN-1	TG		HM	PT-1				
101	RESTROOM	101	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
102	HALL	102	3' - 0"	7' - 0"	0' - 1 3/4"	C	MTL	PT-2	TG		HM	PT-2			INS	
104	CAPTAIN'S OFFICE	104	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
105	CAPT. DORM	105	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
105	CAPT. DORM	106	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
107	MECH. RM.	107	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
108	DORM 01	108	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
109	DORM 02	109	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
110	DORM 03	110	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
111	DORM 04	111	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
112	FIRE RISER	112	3' - 0"	7' - 0"	0' - 1 3/4"	A	MTL	PT-2	-		HM	PT-2				
113	ELEC. ROOM	113	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
114	DORM 06	114	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
115	DORM 05	115	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
116	SHOWER/ RESTROOM	116	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
117	SHOWER/ RESTROOM	117	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
102	HALL	118	3' - 0"	7' - 0"	0' - 1 3/4"	C	MTL	PT-2	TG		HM	PT-2			INS	
119	SHOWER/ RESTROOM	119	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
120	LAUNDRY/ JAN	120	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
121	IT / SERVER	121	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
122	EMS STORAGE	122	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
123	STORAGE	123	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
124	MEDIC OFFICE	124	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
125	MAP ROOM	125	3' - 0"	7' - 0"	0' - 1 3/4"	C	MTL	PT-2	TG		HM	PT-2			INS	
126	APPARATUS	126A	3' - 0"	7' - 0"	0' - 1 3/4"	C	MTL	PT-2	TG		HM	PT-2			INS	
126	APPARATUS	126B	14' - 0"	14' - 0"	0' - 2"	G			TG							
126	APPARATUS	126C	14' - 0"	14' - 0"	0' - 2"	G			TG							
126	APPARATUS	126D	14' - 0"	14' - 0"	0' - 2"	G			TG							
126	APPARATUS	126E	14' - 0"	14' - 0"		H			TG							
126	APPARATUS	126F	14' - 0"	14' - 0"		H			TG							
126	APPARATUS	126G	14' - 0"	14' - 0"		H			TG							
116	SHOWER/ RESTROOM	127	2' - 6"	5' - 0"	0' - 1"	55										
117	SHOWER/ RESTROOM	128	2' - 6"	5' - 0"	0' - 1"	55										
129	DECON	129	3' - 0"	7' - 0"	0' - 1 3/4"	A	MTL	PT-2	-		HM	PT-2				
130	TURN OUT	130	3' - 0"	7' - 0"	0' - 1 3/4"	A	MTL	PT-2	-		HM	PT-2				
131	SUPPLY	131	3' - 0"	7' - 0"	0' - 1 3/4"	A	MTL	PT-2	-		HM	PT-2				
133	MAINTENANCE	133	5' - 8"	7' - 0"	0' - 1 3/4"	E	MTL	PT-2			HM	PT-2				
134	CLOSET	134	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
135	STORAGE	135	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
201	JAN.	201	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
202	RESTROOM	202	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
203	FITNESS	203A	3' - 0"	7' - 0"	0' - 1 3/4"	A	WD	VEEN-1	-		HM	PT-1				
203	FITNESS	203B	5' - 8"	7' - 0"	0' - 1 3/4"	D	MTL	PT-2	TG		HM	PT-1				
205	KITCHEN/ DINING	205	15' - 1"	7' - 0"		B	ALSF	CLR ANO	TG		ALSF	CLR ANO				
206	PANTRY	206	3' - 0"	7' - 0"	0' - 1 3/4"	I	WD	VEEN-1	-		HM	PT-1				

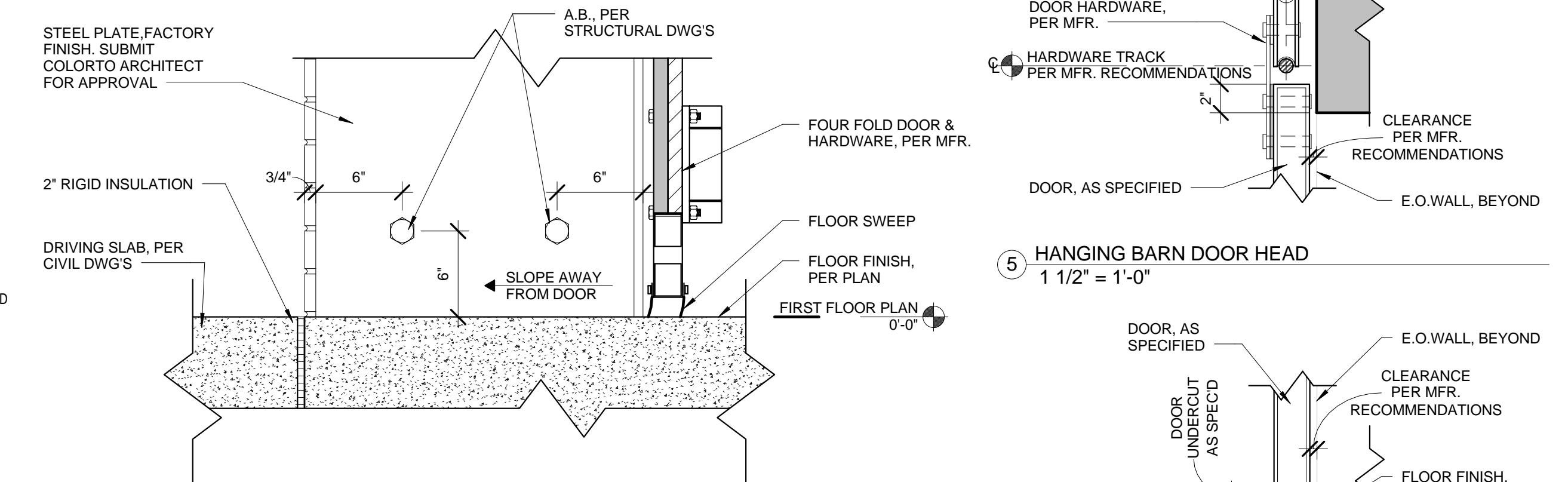
DOOR ELEVATIONS

1/4" = 1'-0"



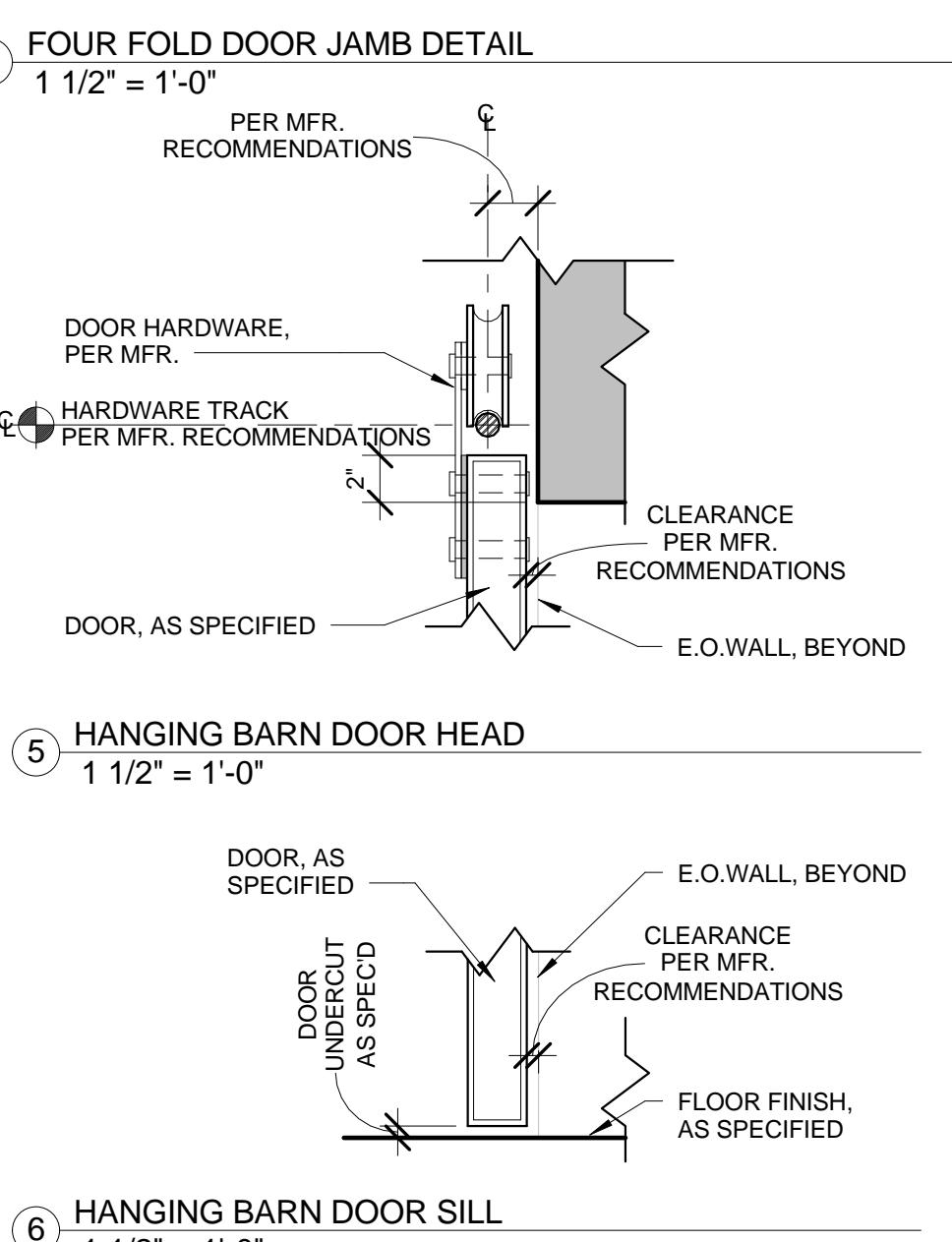
3 FOUR FOLD DOOR HEAD DETAIL

3 1 1/2" = 1'-0"



2 FOUR FOLD DOOR SILL DETAIL

2 1 1/2'



6 HANGING BARN DOOR SILL

$$1 \frac{1}{2}'' = 1'-0''$$

2 FOUR FOLD DOOR SILL DETAIL
1 1/2" = 1'-0"

6 HANGING BARN DOOR SILL
1 1/2" = 1'-0"

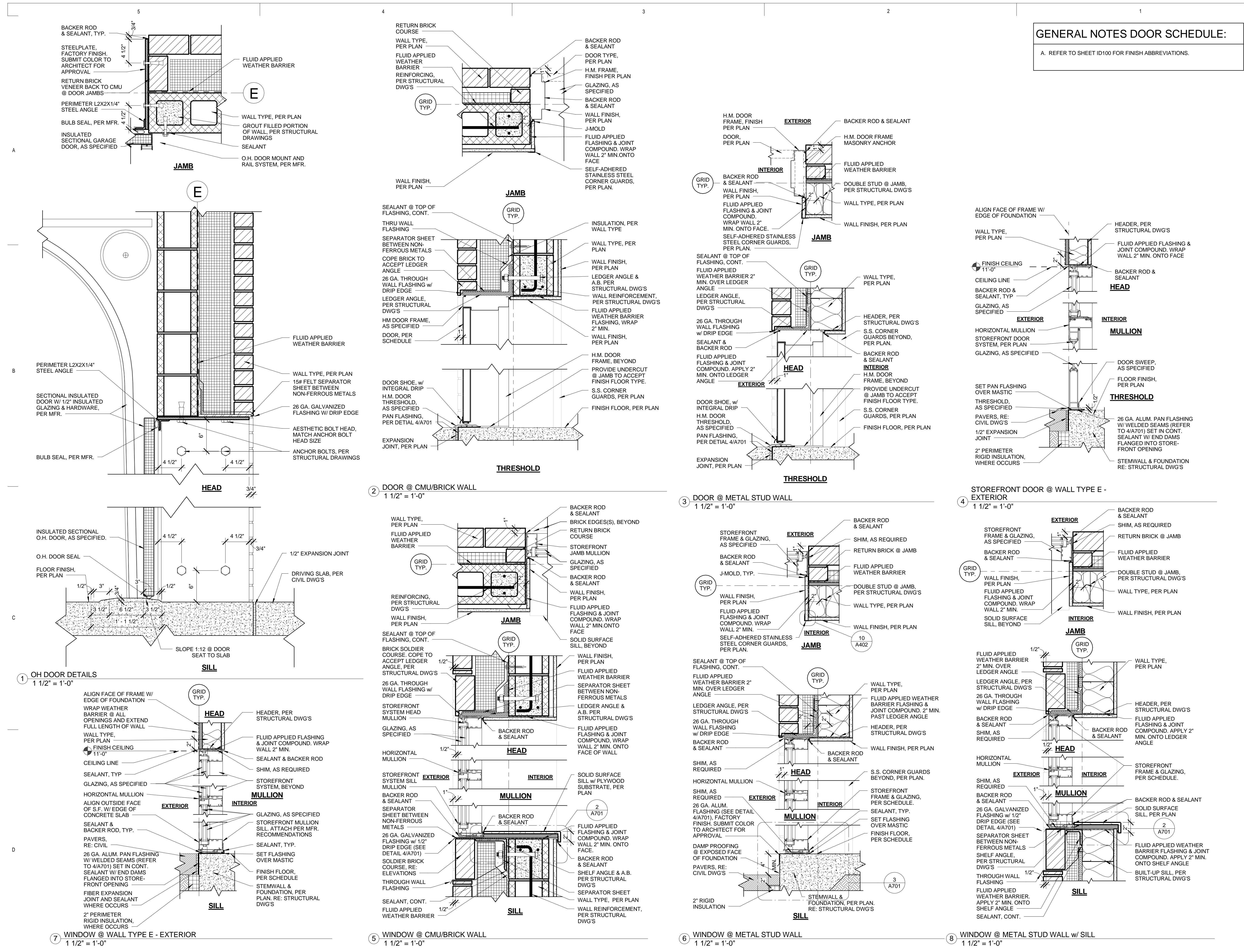
PROJECT PHASE	75% CD's
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/ R. TeBeau
DRAWN BY	Author

CHEET NAME

DOOR SCHEDULE, TYPES & DETAILS

CHEET NUMBER:

A700



NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN B. Harris, R. TeBeau

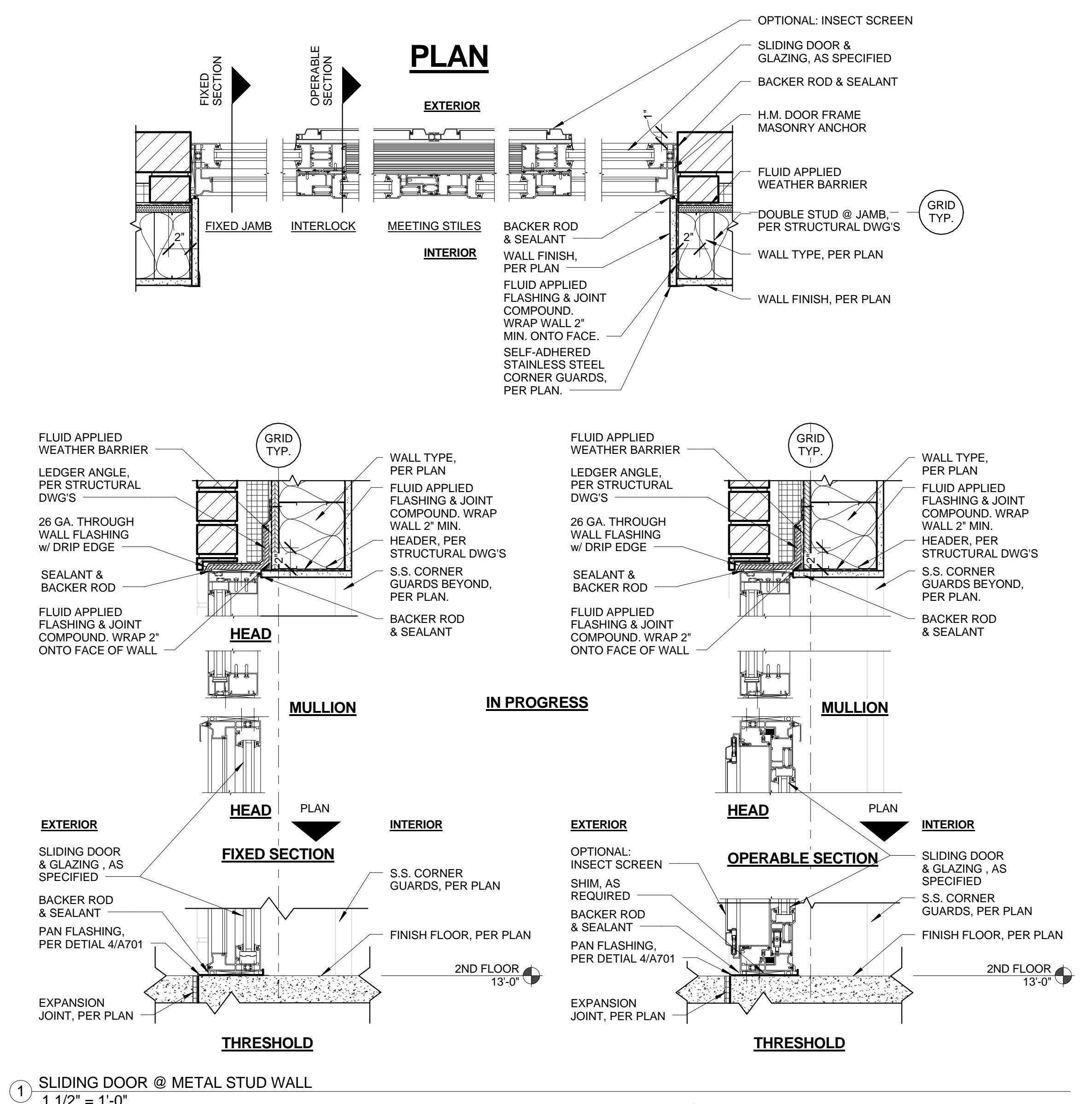
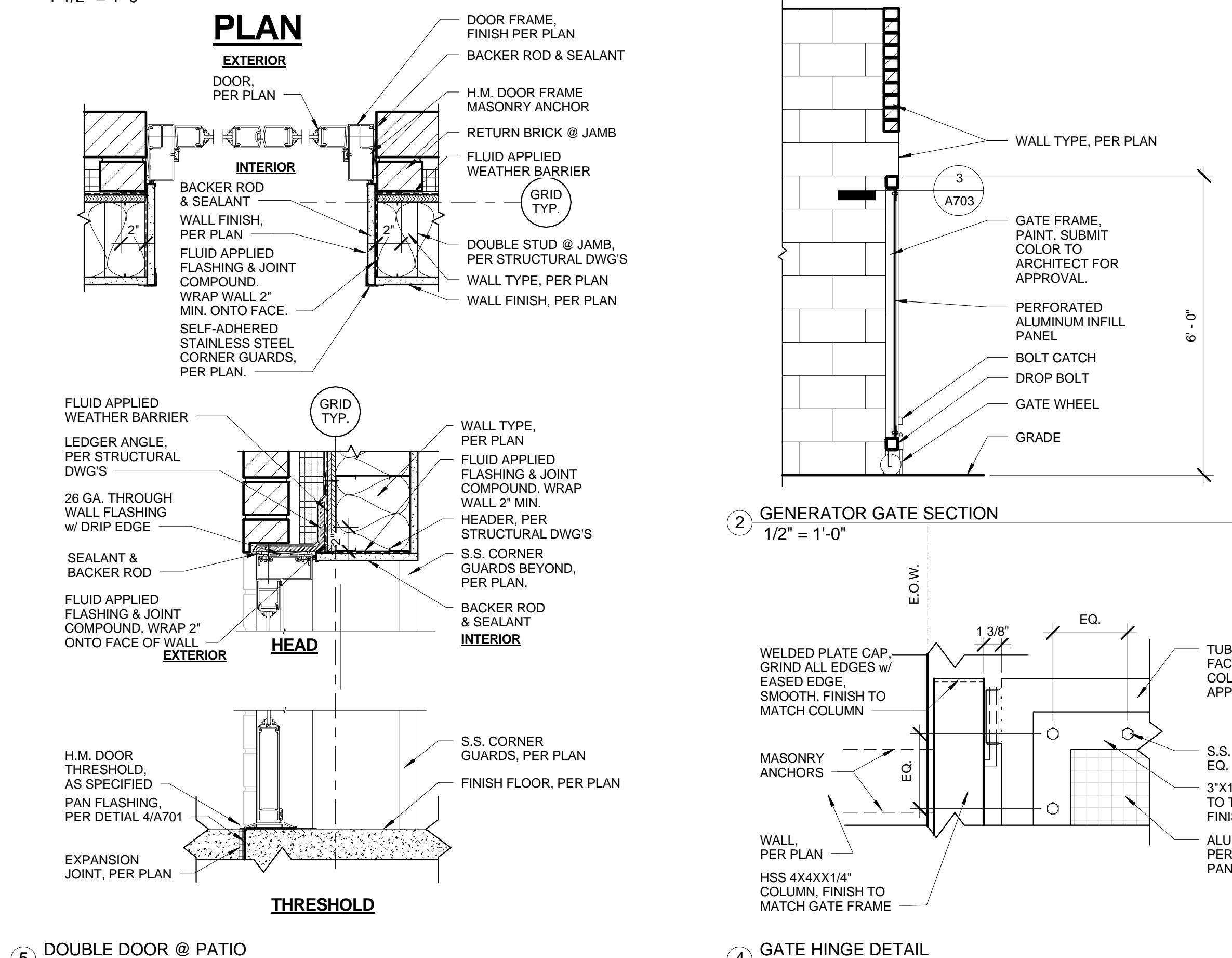
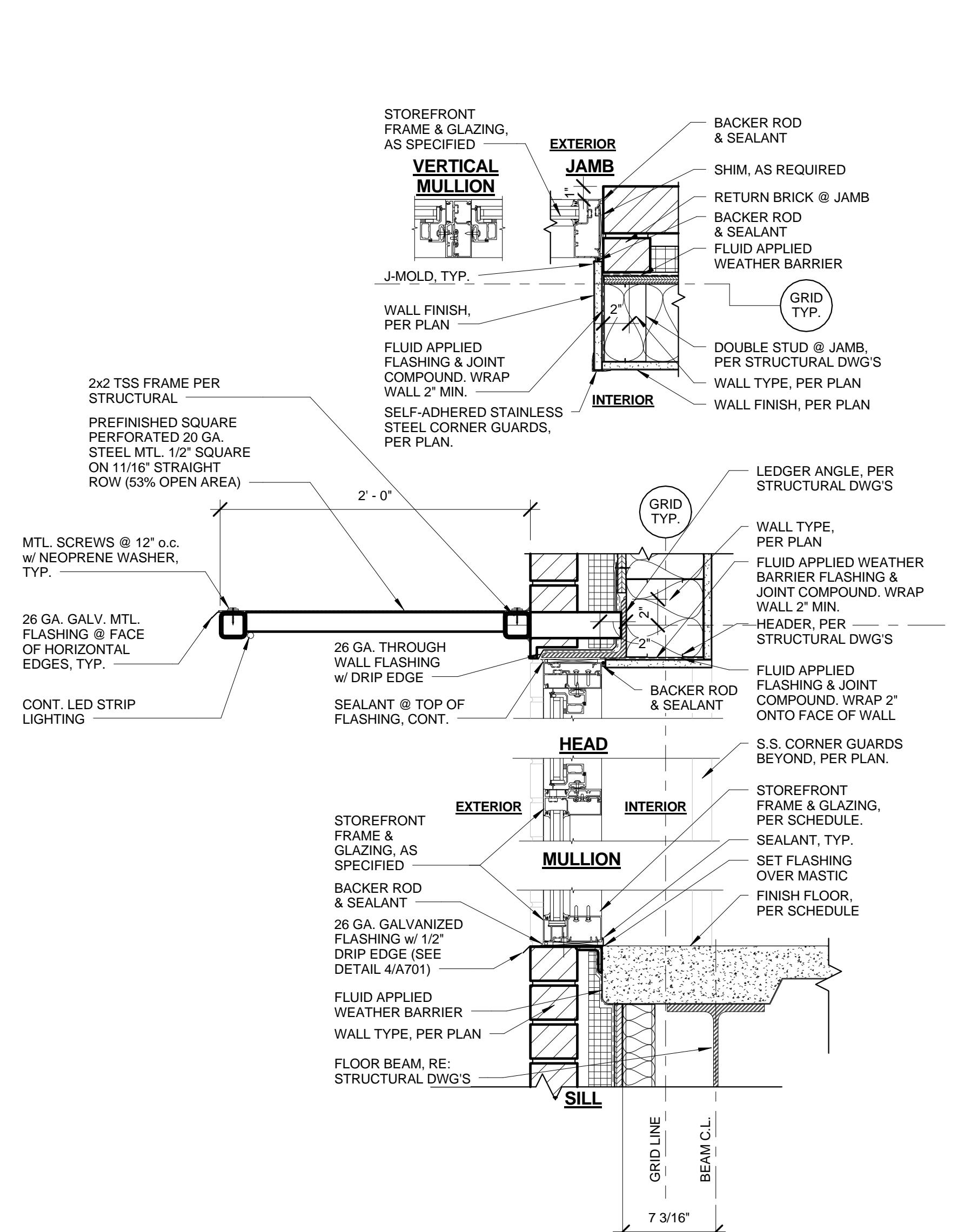
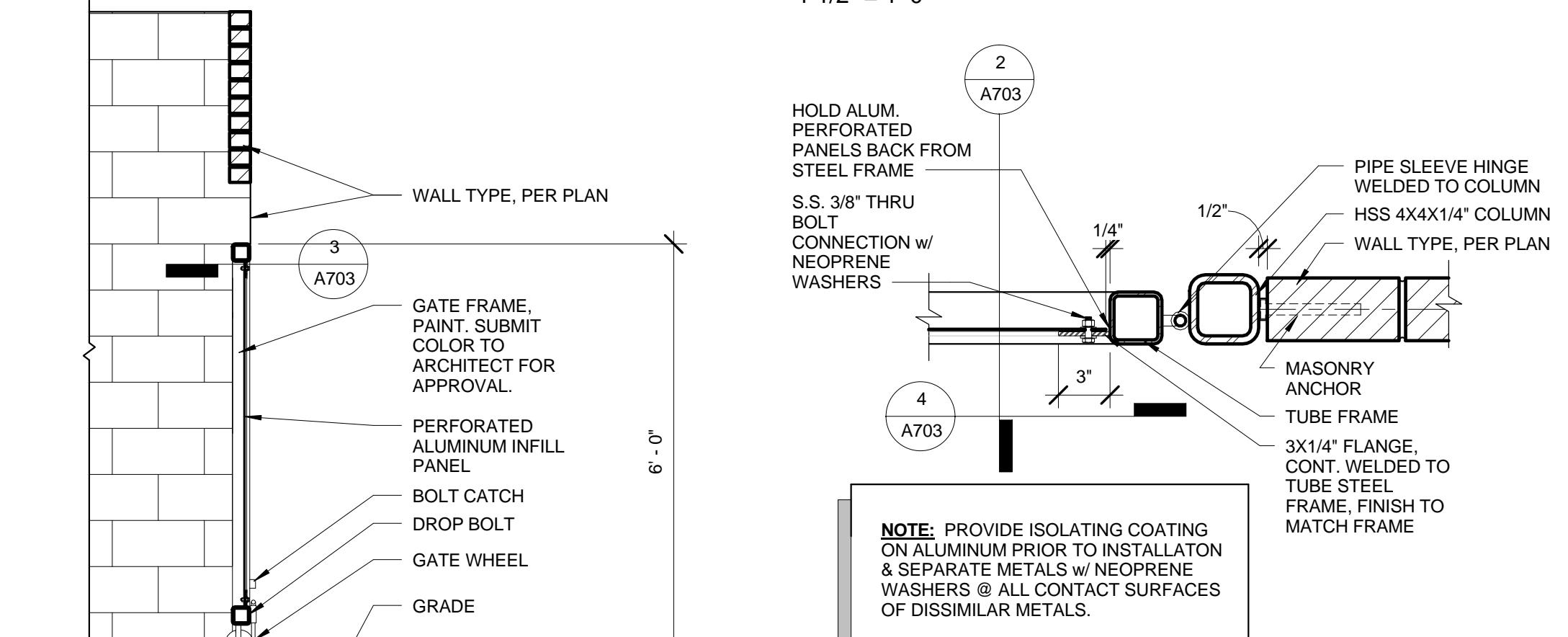
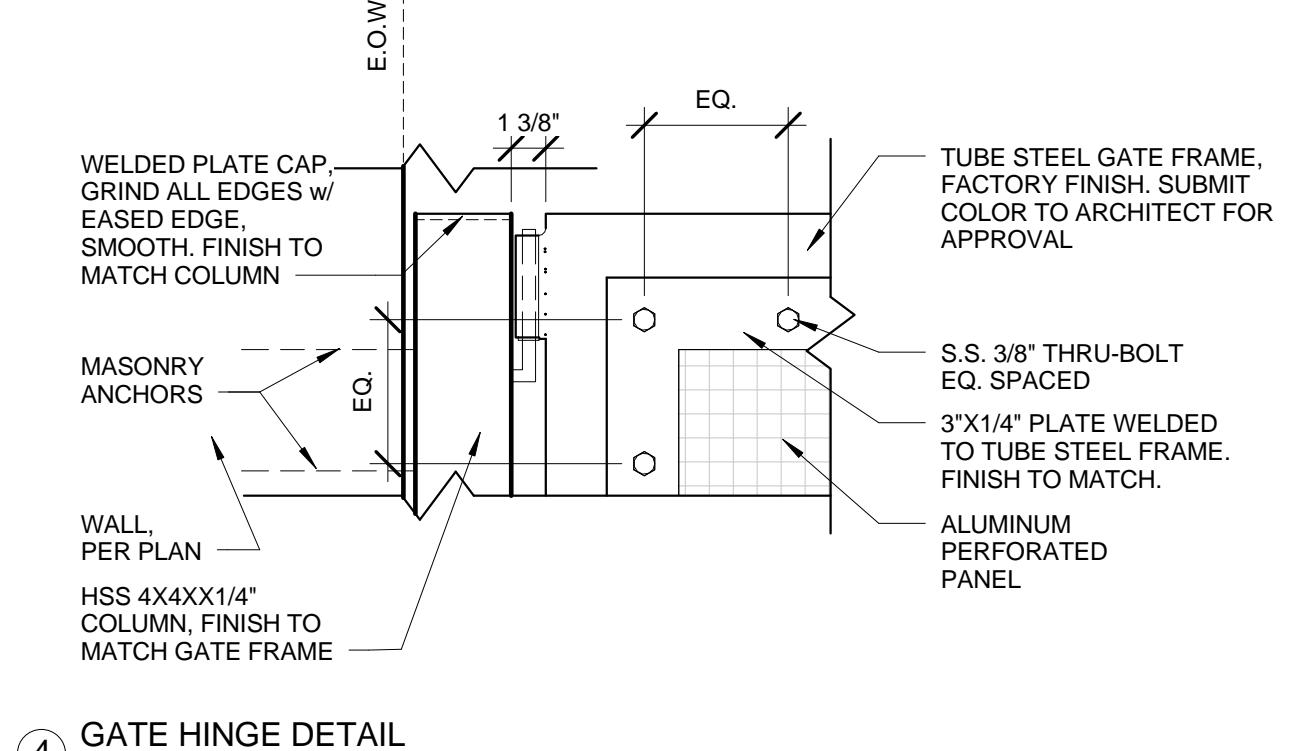
DRAWN BY Author

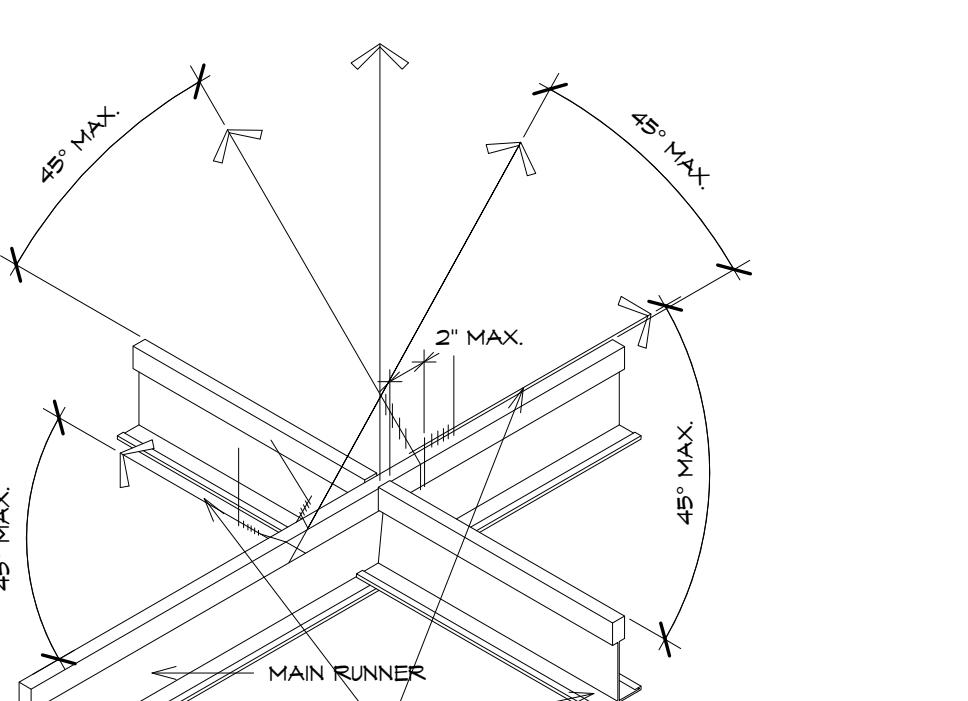
SHEET NAME:

DOOR & WINDOW DETAILS

A703

01.29.16

(1) SLIDING DOOR @ METAL STUD WALL
1 1/2" = 1'-0"(5) DOUBLE DOOR @ PATIO
1 1/2" = 1'-0"(6) WINDOW - AWNING @ MTL. STUD WALL
1 1/2" = 1'-0"(2) GENERATOR GATE SECTION
1/2" = 1'-0"(3) GATE DETAILS
1 1/2" = 1'-0"(4) GATE HINGE DETAIL
1 1/2" = 1'-0"



Suspended Ceiling Seismic Provisions from CISCA O-2 for Design Class C

- Each individual fixture and attachments with a combined weight of 56 lbs. or less shall have two No. 12 gauge wire hangers attached at diagonal corners of the fixture. These wires must be slack. Any fixtures and attachments with a combined weight greater than 56 lbs. must be independently supported from the structure.
- The main runner/cross runner intersections and all grid splices must have an average ultimate test strength of 80 lbs. or more in both tension and compression. The tensile test must allow for a 5% offset of the connection in any direction.
- The main runner/cross runner system, including grid, panels or tile, light fixtures, and air terminals must be 2.5 psf or less. All other services must be supported independently from the ceiling system. For ceilings that have an average weight greater than 2.5 psf, the ceiling may be installed as specified in CISCA Zone 3-4 provisions, taking into account the design lateral force factor appropriate for Zone 2. Other deviations or variations must be substantiated by verifiable engineering data.
- All perimeter closure angles or channels must provide a support ledge of approximately 7/8 in. or greater. A terminal end of a grid member (or tile) must rest on the ledger or molding with at least 3/8 in. clearance from an edge or wall.
- For perimeter closure angles, provide a support ledge of less than noted above, the terminal ends of each cross runner or main runner shall be independently supported within 8 in. from each wall or ceiling discontinuity. This support may be a No. 12 gauge hanger wire or other support that prevents the grid from falling. This wire does not need to be vertical but should not have a slope greater than 1 in 6 out-of-plumb. A 3/8 in. grid end clearance from a wall should be maintained.
- All ceiling penetrations (columns, sprinklers, etc.) and independently supported fixtures or services are to be considered as perimeter closures that also must allow the noted clearances by using suitable escutcheons or closure details.
- At wall closure ledges, the cross runner and main runner ends shall be prevented from spreading apart from each other. Permanent attachments (i.e. pop rivets) for grid alignment purposes shall not be permitted.

GENERAL NOTE:
ALL SUSPENDED CEILINGS
TO ALSO BE INSTALLED PER
MANUFACTURER'S
RECOMMENDATIONS, IBC 2006,
AND ASTM C 635 AND ASTM C 636.

D5 SUSPENDED CEILING
3" = 1'-0"

GENERAL NOTES REFLECTED CEILING:

- A. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING DOCUMENTS.
- B. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
- C. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- D. REVIEW SPECIFICATIONS FOR INSTRUCTIONS NOT SHOWN ON DRAWINGS. INFORMATION COMMON TO SEVERAL DRAWINGS MAY BE NOTED ONLY ON ONE. CONTRACTOR IS RESPONSIBLE FOR ENTIRE SET OF DOCUMENTS.
- E. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS NOT SHOWN TO BE PROVIDED IN THE CEILING PLANE AND IN THE SCOPE OF WORK. COORDINATE WITH DRAWINGS AND SPECIFICATIONS FOR PHYSICAL SIZE OF ALL CEILING GRILLS, DIFFUSERS, FIXTURES, LIGHTS AND ALL RELATED ITEMS.
- F. DIMENSIONS ARE TO STRUCTURAL GRIDLINE OR FACE OF STUD UNLESS NOTED OTHERWISE.
- G. CENTER ALL CEILING GRID, LIGHT FIXTURES AND SPRINKLER HEADS IN THEIR RESPECTIVE CEILING PANEL. IF NOT DIMENSIONED LOCATE EVENLY AND CENTER IN SPACES. IF UNCLEAR, CONSULT ARCHITECT FOR LOCATION.
- H. INSTALL ALL SUSPENSION SYSTEMS FOR ACOUSTICAL PANEL CEILINGS PER THE SPECIFICATION AND C.I.S.C.A. "RECOMMENDATIONS FOR DIRECT-HUNG SEISMIC DESIGN CATEGORY C. REFER TO IBC SECTION 803.9.1.1. SUSPENDED ACOUSTICAL CEILINGS. COMPLY WITH ASTM C635 AND C136.
- I. INSTALL ALL SUSPENSION SYSTEMS FOR GYPSUM BOARD CEILINGS PER THE SPECIFICATIONS AND ASTM C754.
- J. Q. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPE OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC. SCRIBE CEILING MATERIALS CAREFULLY. WHERE NO DEVICES ARE SHOWN ON PLANS, FIELD VERIFY LOCATION & QUANTITY OF DEVICES IN EXISTING CEILING. THESE DEVICES WILL BE RELOCATED TO THE NEW CEILING.
- K. COORDINATE ALL ACCESS PANEL LOCATIONS WITH STRUCTURAL FRAMING AND SUSPENDED CEILING SYSTEMS TO ACCOMMODATE SIZES INDICATED.
- L. ALL GYPSUM BOARD CEILINGS TO BE TEXTURED AND PAINTED UNLESS NOTED OTHERWISE.
- M. ALL EXPOSED STRUCTURE IN OCCUPIED SPACES TO BE PAINTED.
- N. PROVIDE GYPSUM WALL BOARD AND METAL STUD BULKHEADS WHERE CEILINGS OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIALS UNLESS SPECIFICALLY DETAILED.
- O. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND TYPE OF DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.

RCP SYMBOL LEGEND

	2x4 "SECOND LOOK" ACOUSTICAL TILE CEILING & GRID
	GYPSUM CEILING - TEXTURED & PAINTED
	1" ACOUSTIC PANEL or SHEATHING
	LIGHT FIXTURE 2X4, RE: ELECTRICAL DRAWINGS
	LIGHT FIXTURE 2 X 2, RE: ELECTRICAL DRAWINGS
	RECESSED LIGHT, RE: ELECTRICAL DRAWINGS
	SMOKE DETECTOR, RE: ELECTRICAL DRAWINGS
	SPEAKER, RE: ELECTRICAL DRAWINGS
	EXIT LIGHT, RE: ELECTRICAL DRAWINGS
	HVAC DIFFUSER, RE: MECHANICAL DRAWINGS
	AC RETURN, RE: MECHANICAL DRAWINGS

KEY NOTES

1. XXX



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK DATE DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN B. Harris R. TeBeau

DRAWN BY Author

SHEET NAME:

**1ST FLOOR
REFLECTED CEILING
PLAN**

SHEET NUMBER:

A800

ARCHITECT:

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A
architecture • planning
TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820
STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK DATE DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN B. Harris R. TeBeau

DRAWN BY Author

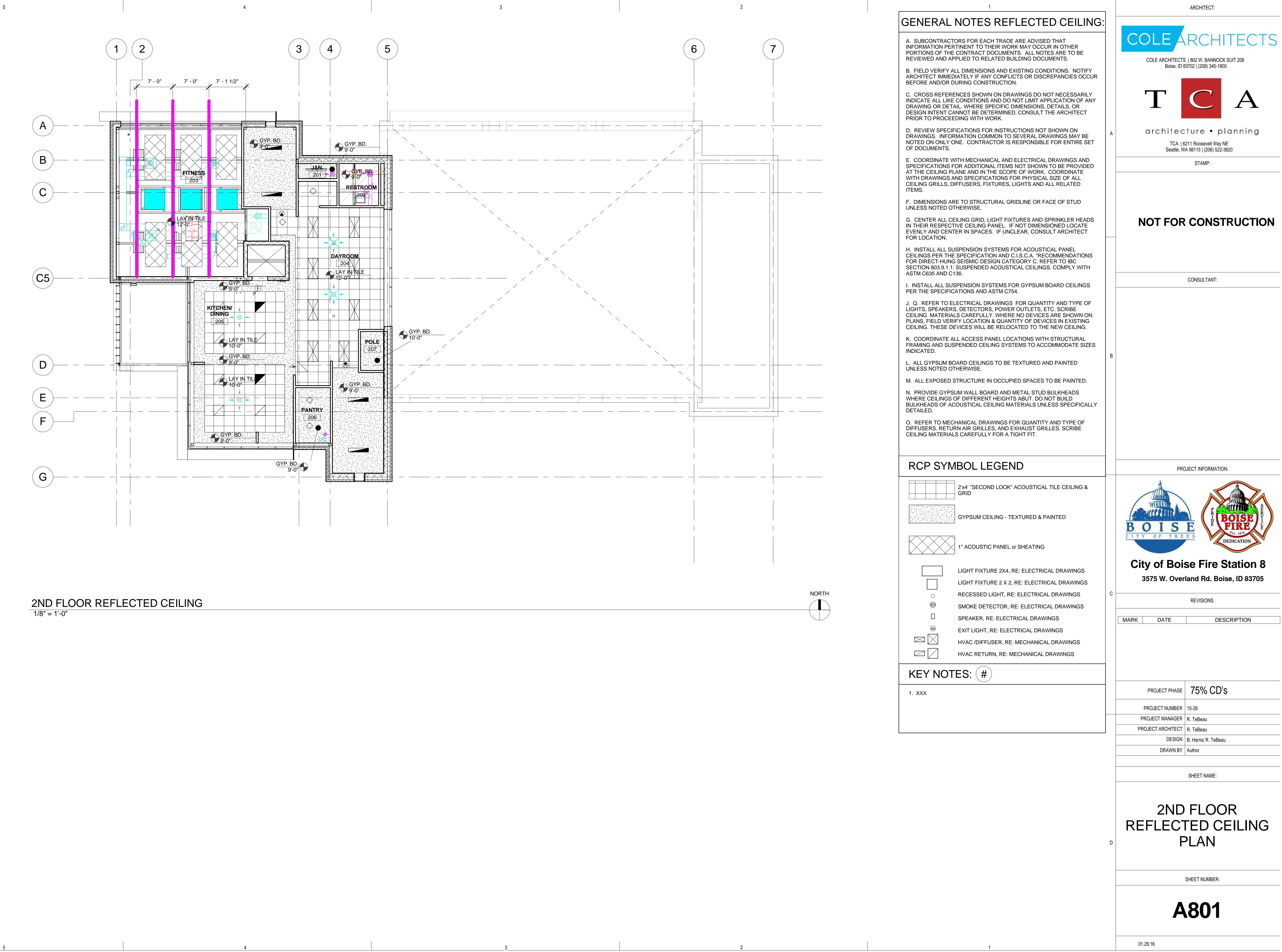
SHEET NAME:

**1ST FLOOR
REFLECTED CEILING
PLAN**

SHEET NUMBER:

A800

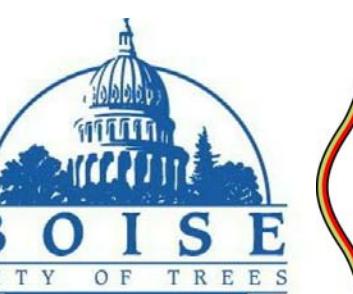
01.29.16



NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE: 75% CD's

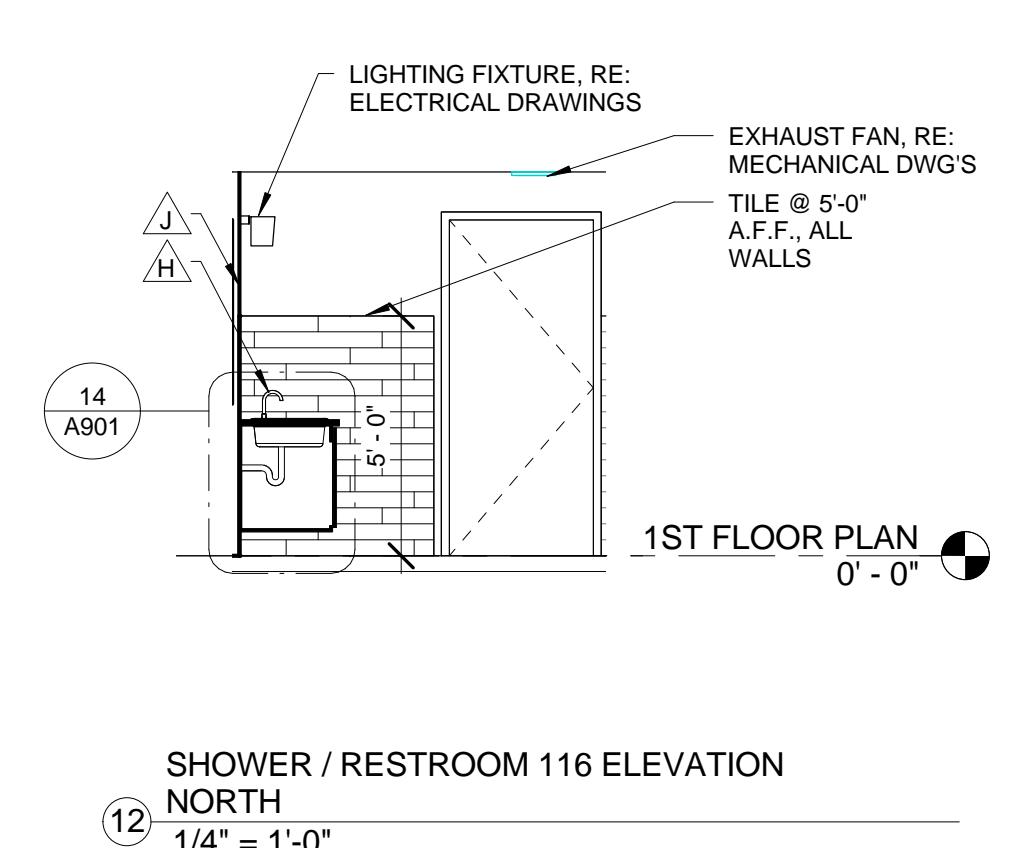
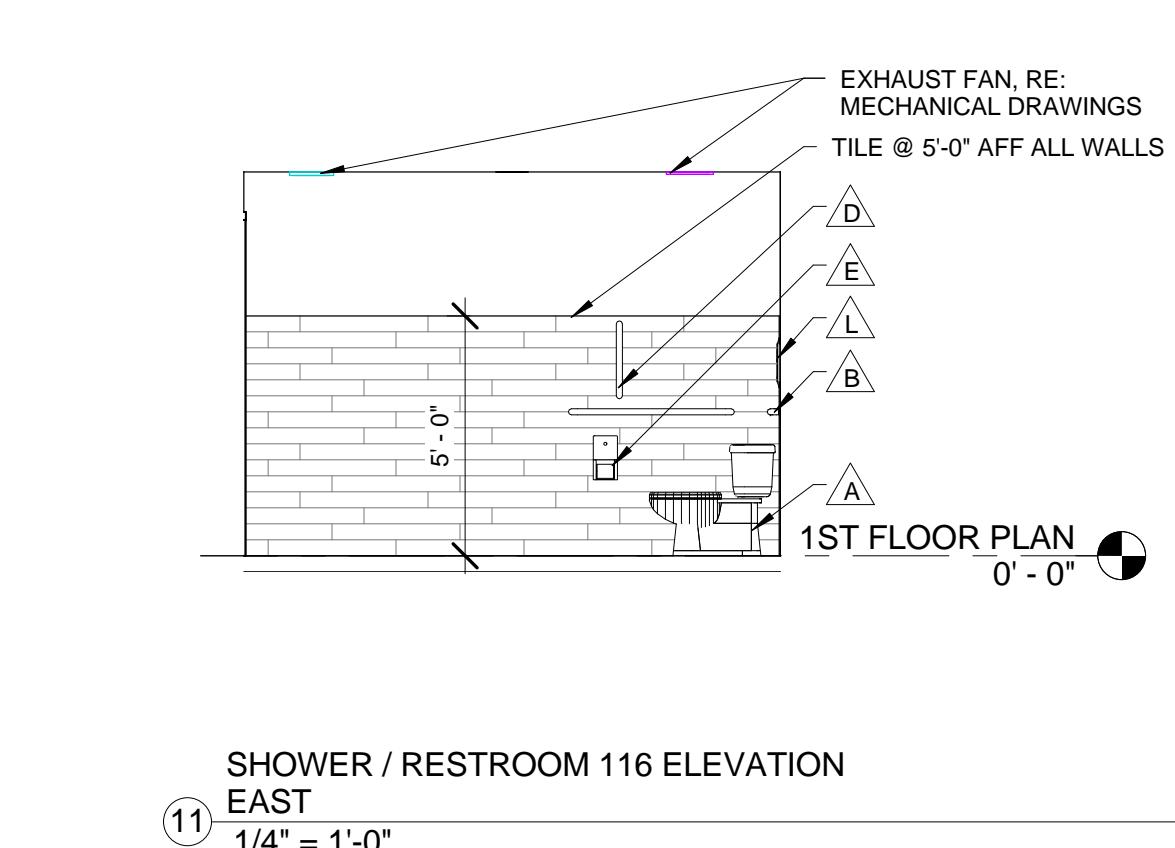
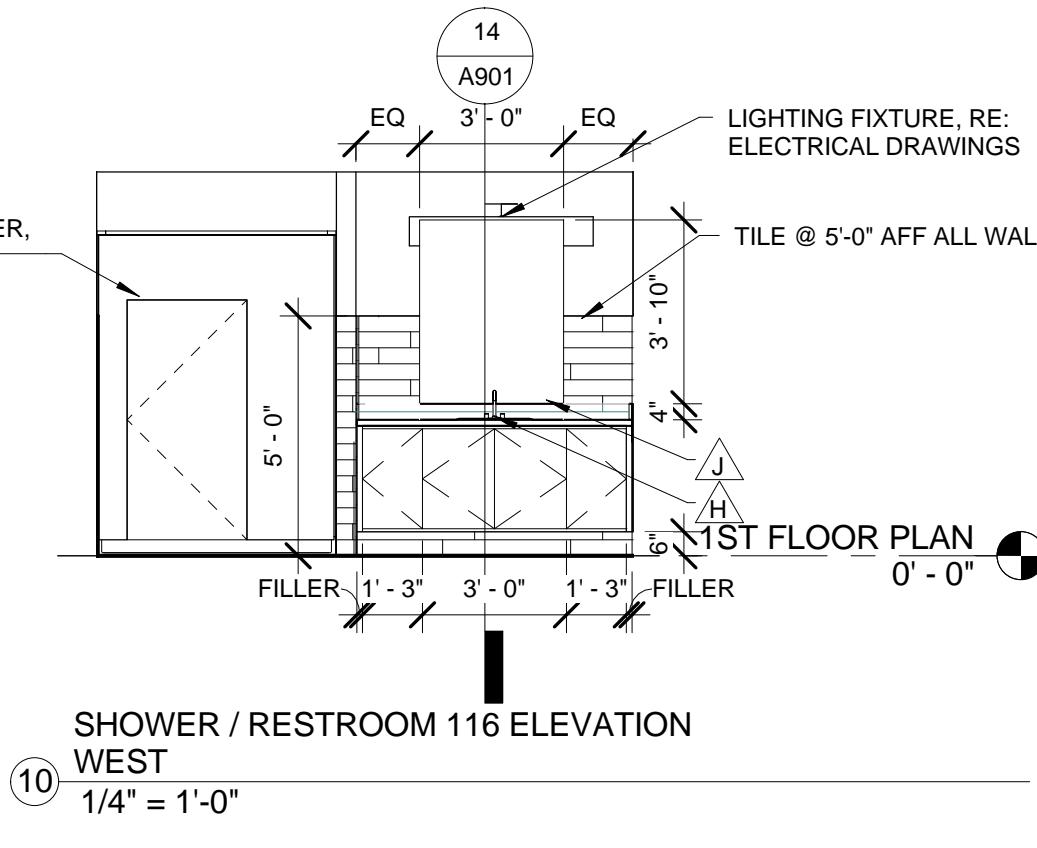
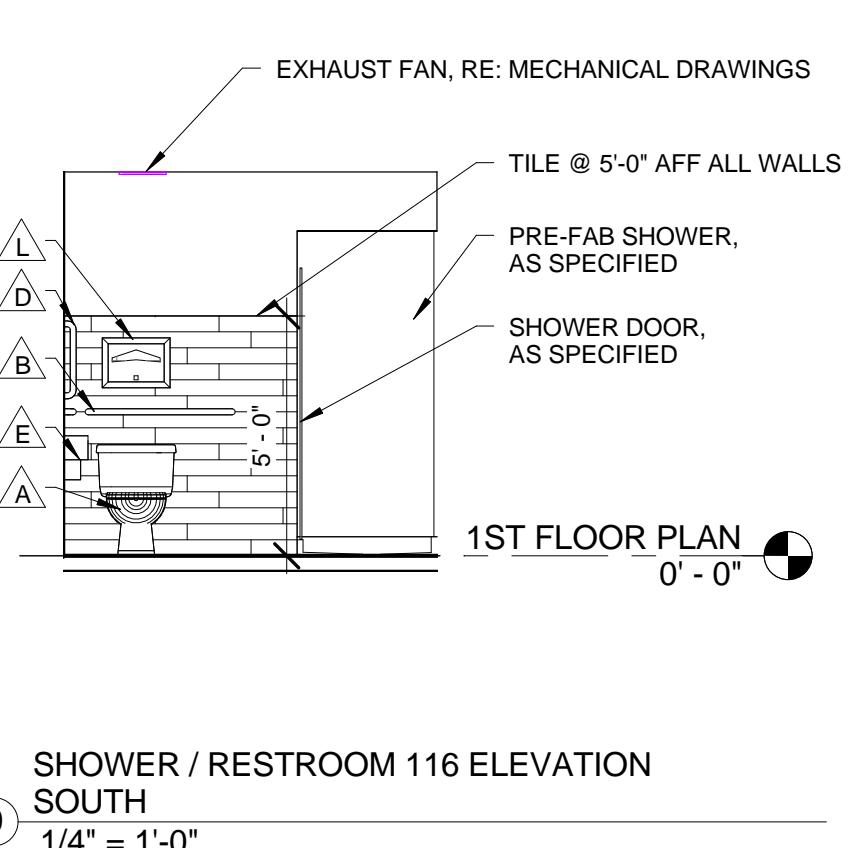
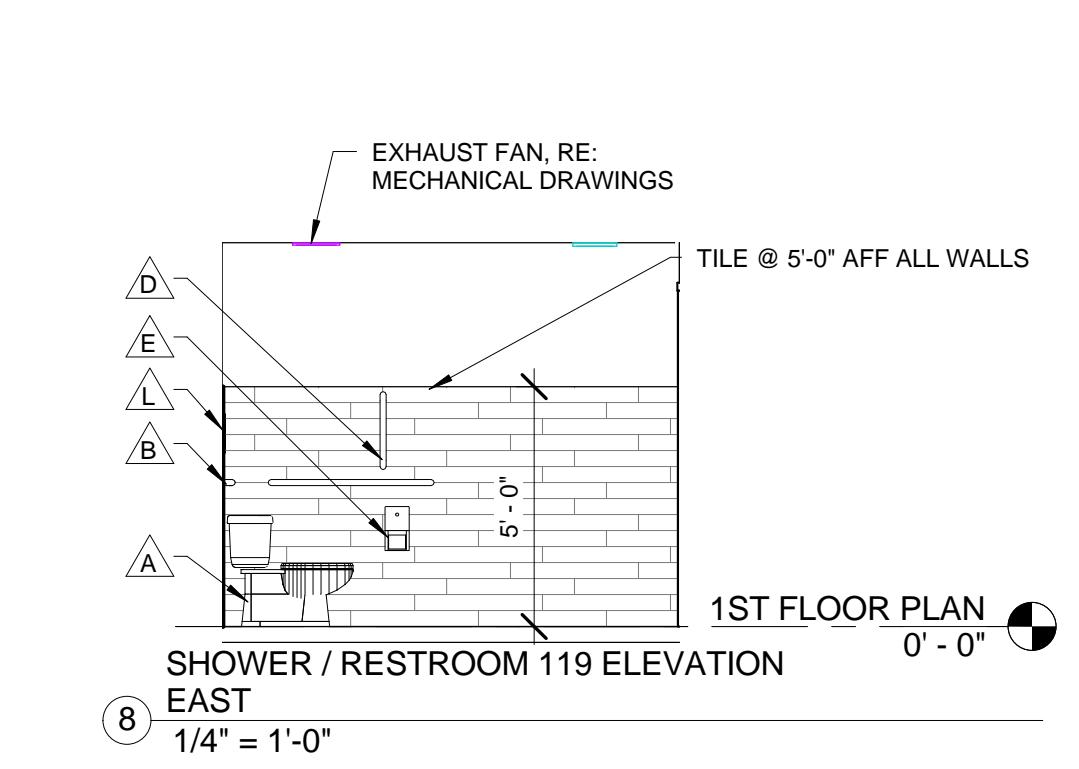
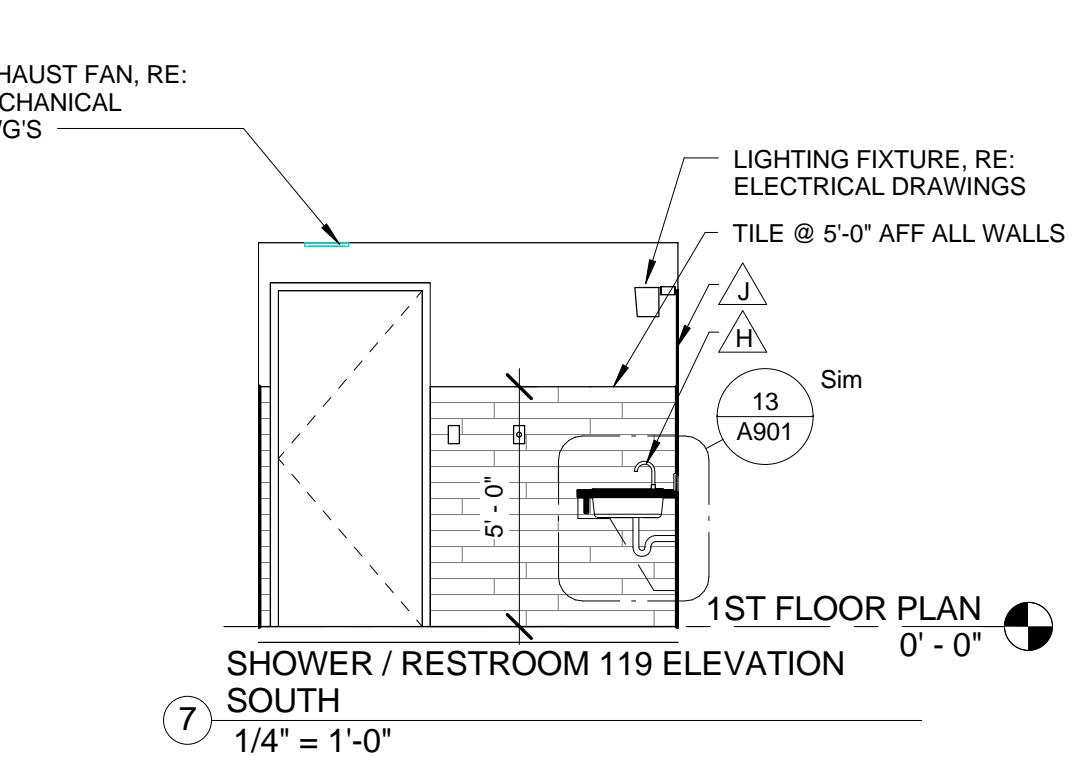
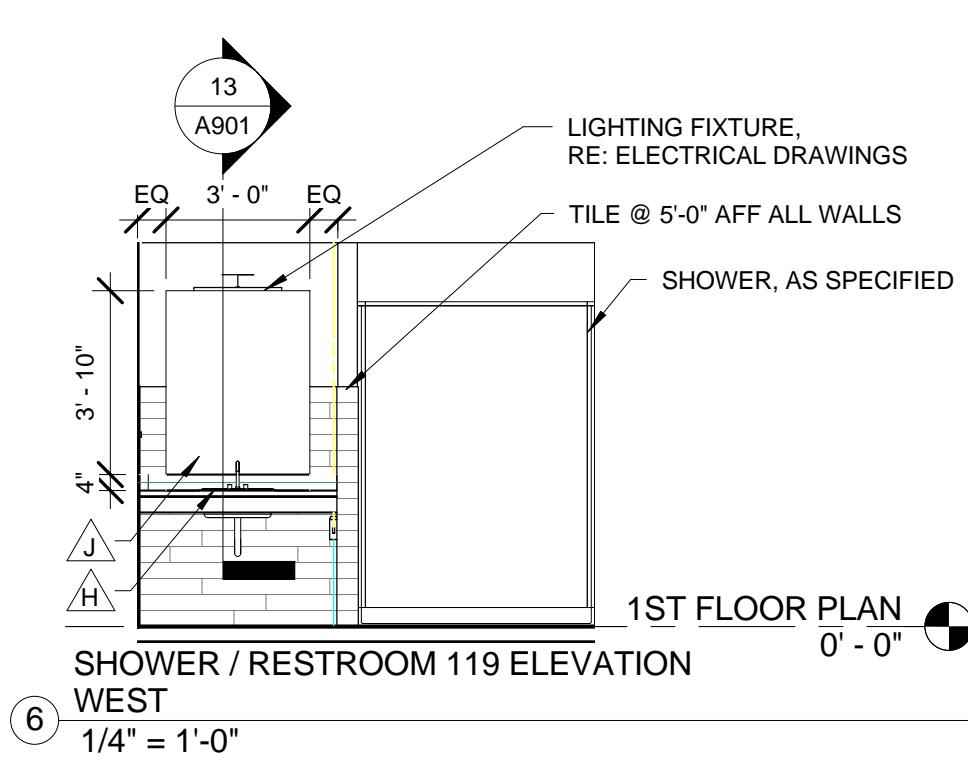
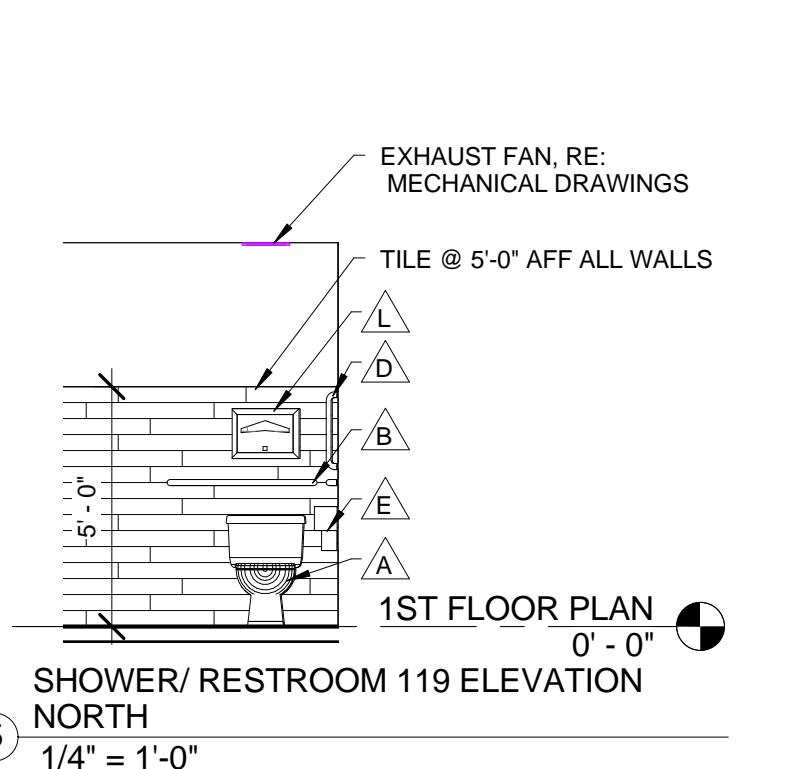
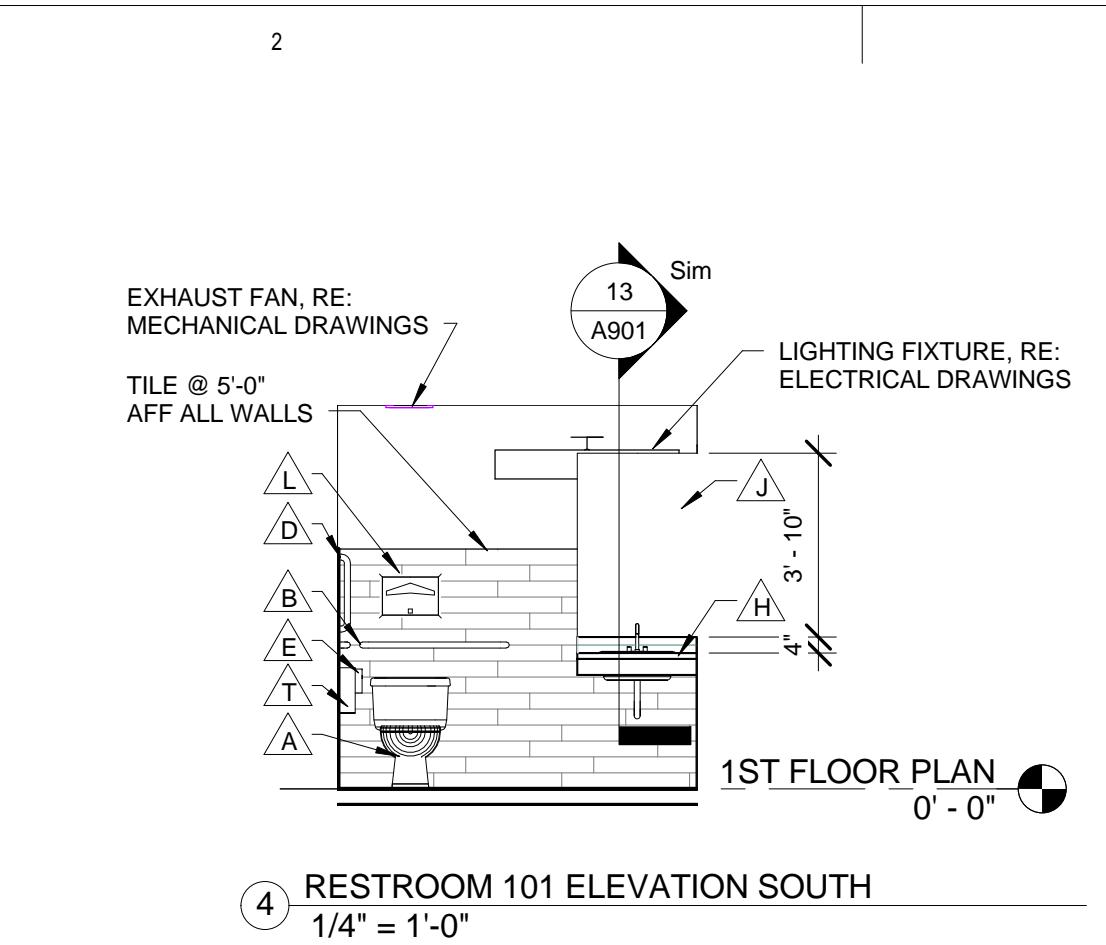
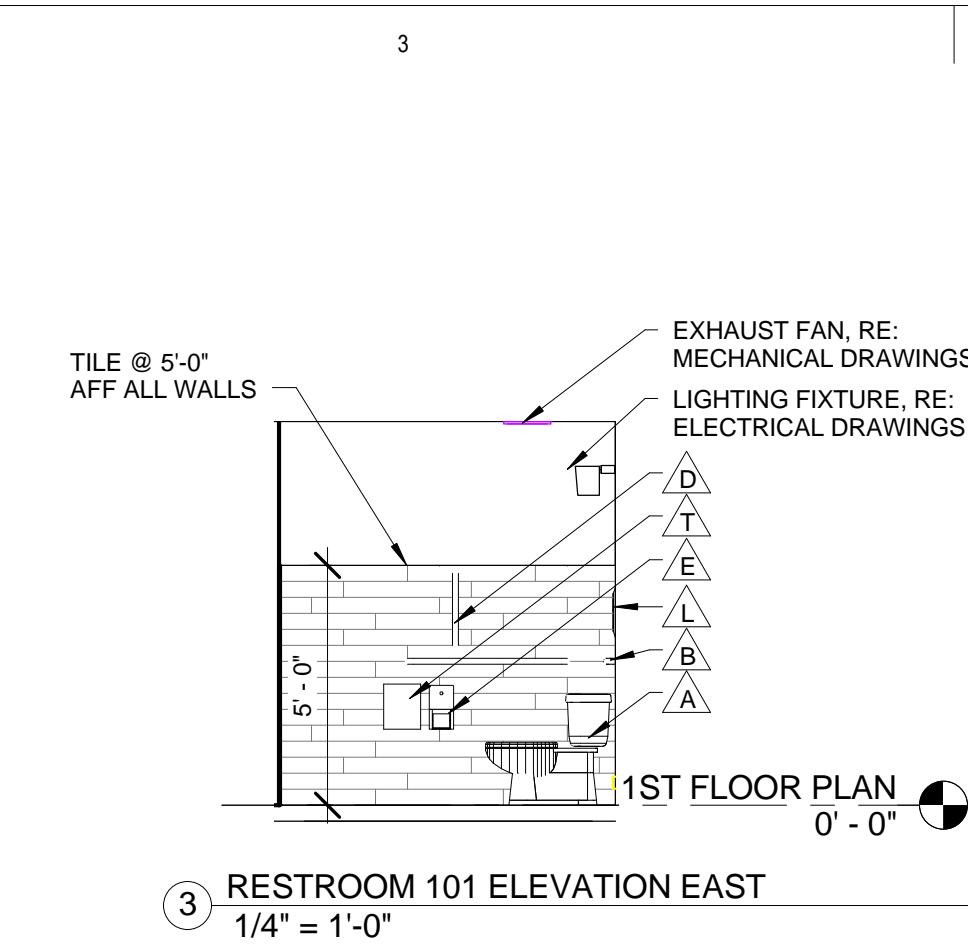
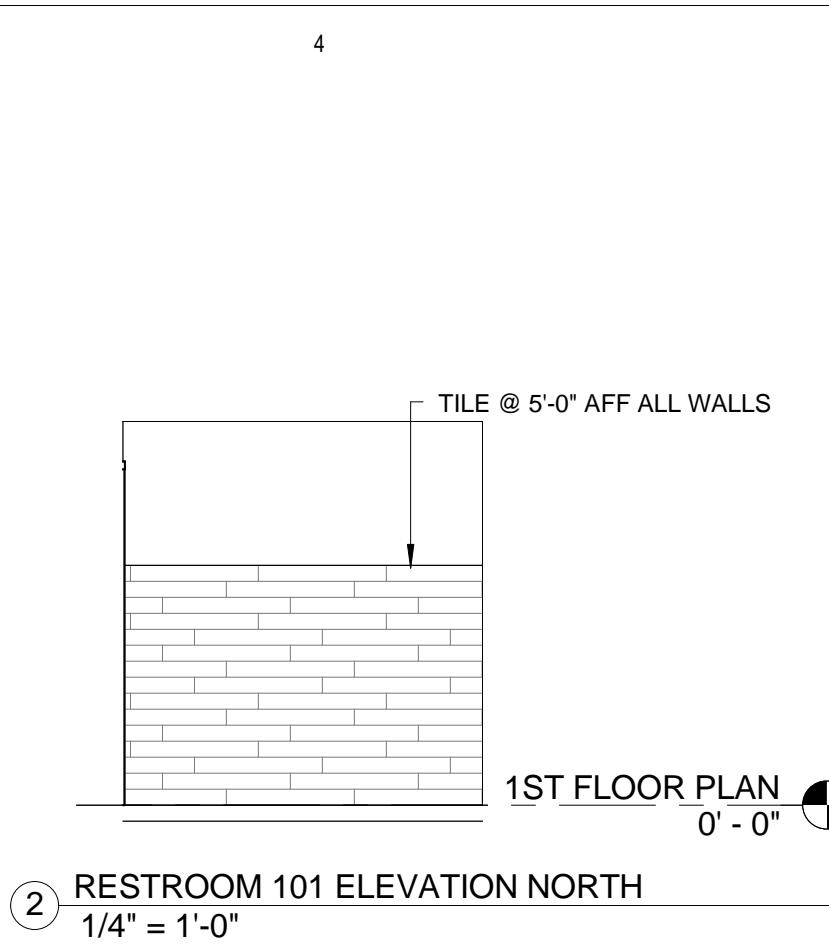
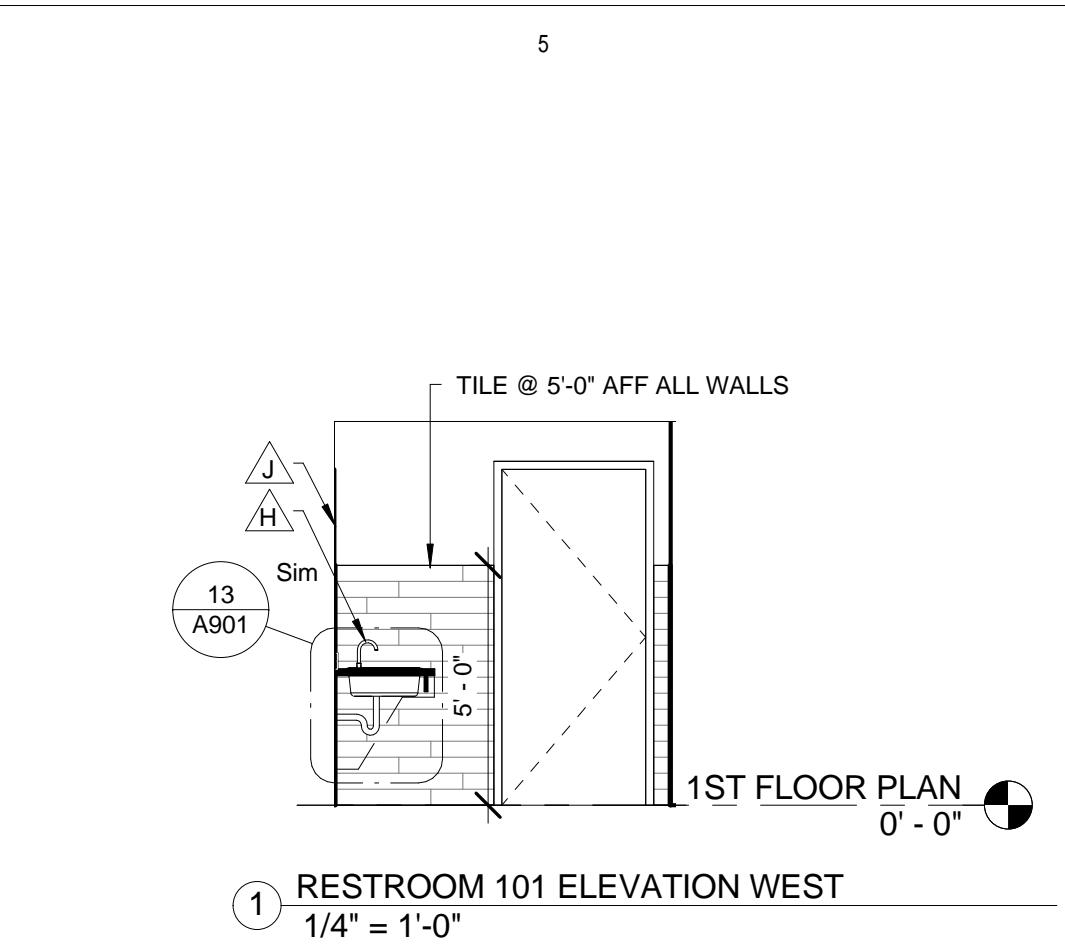
PROJECT PHASE	75% CD's
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris, R. TeBeau
DRAWN BY	Author

SHEET NAME:

INTERIOR ELEVATIONS AND DETAILS

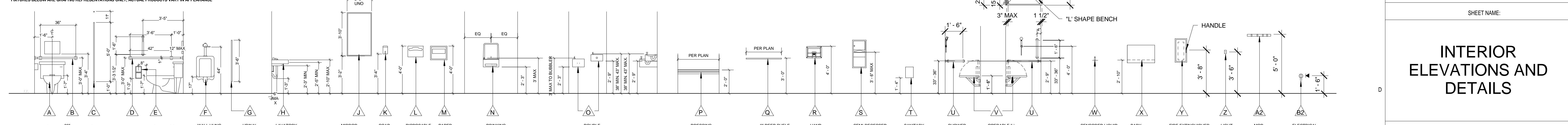
A900

01.29.16



PROVIDE SOLID BLOCKING OR OTHER SUITABLE BACKING AT LOCATIONS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: EDGES INVESTIGATED BY OWNER, DOOR SWINGS, DOOR STOPS, SHELVES, MIRRORS, HANDRAILS, WALL-MOUNTED EQUIPMENT, INCLUDING EQUIPMENT FURNISHED BY OWNER. PROVIDE STEEL BACKING FOR GRAB BARS ATTACHED TO PARTITIONS. EXTEND BACKING 6" BEYOND OUTLINE OF EQUIPMENT.

* FIXTURES BELOW ARE GRAPHIC REPRESENTATIONS ONLY, ACTUAL PRODUCTS VARY IN APPEARANCE



COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208

Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 3211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

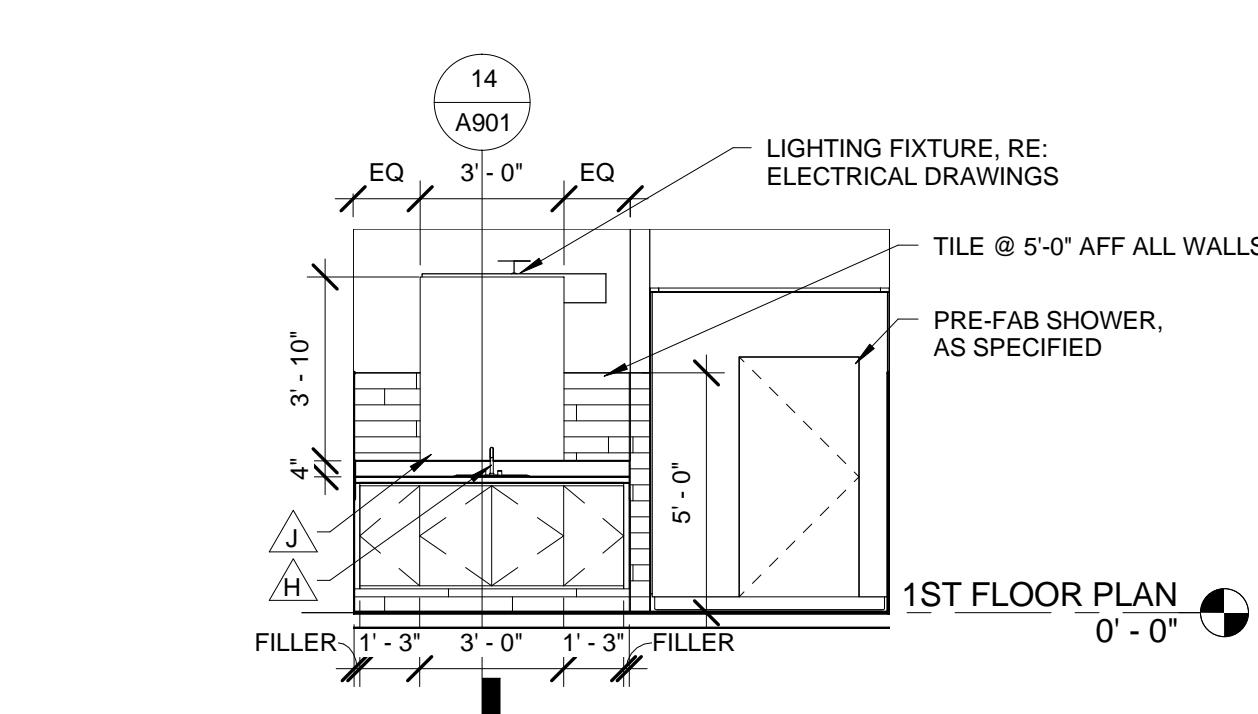
MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE	75% CD's
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/ R. TeBeau
DRAWN BY	Author
SHEET NAME:	

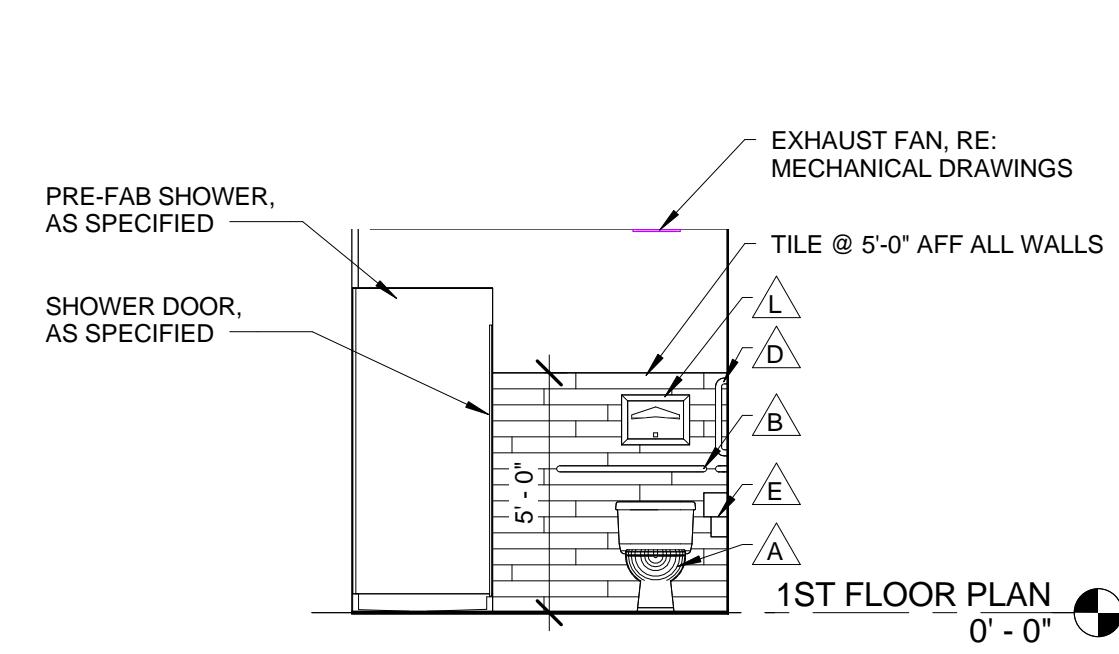
INTERIOR ELEVATIONS AND DETAILS

A901

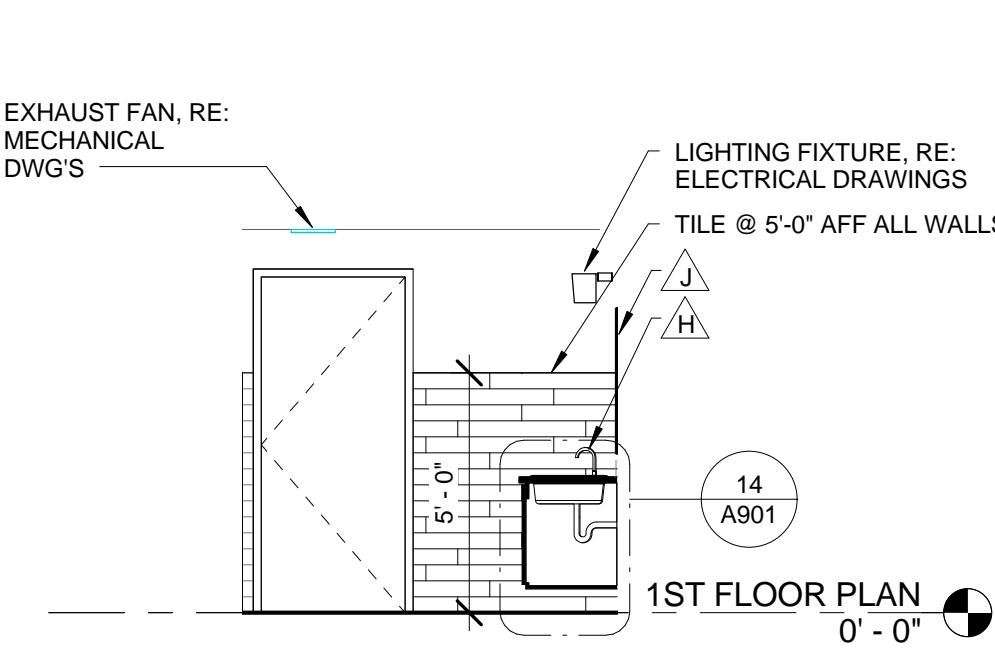
01.29.16



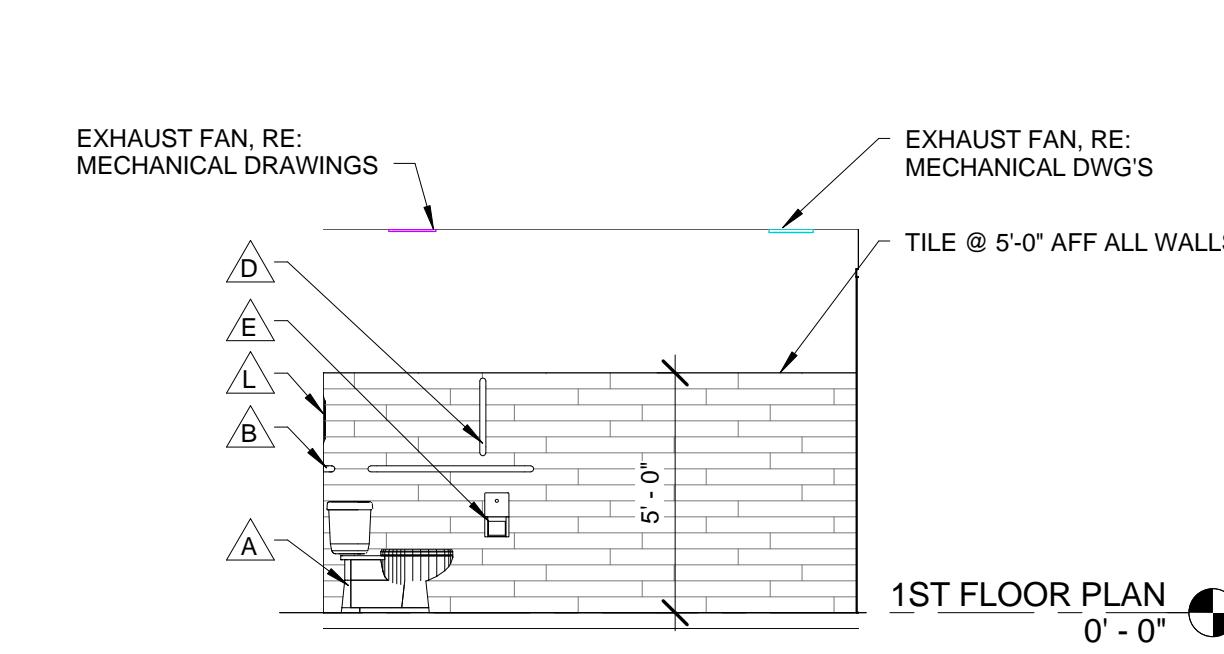
SHOWER / RESTROOM 117 ELEVATION
EAST
 $1/4'' = 1'-0''$



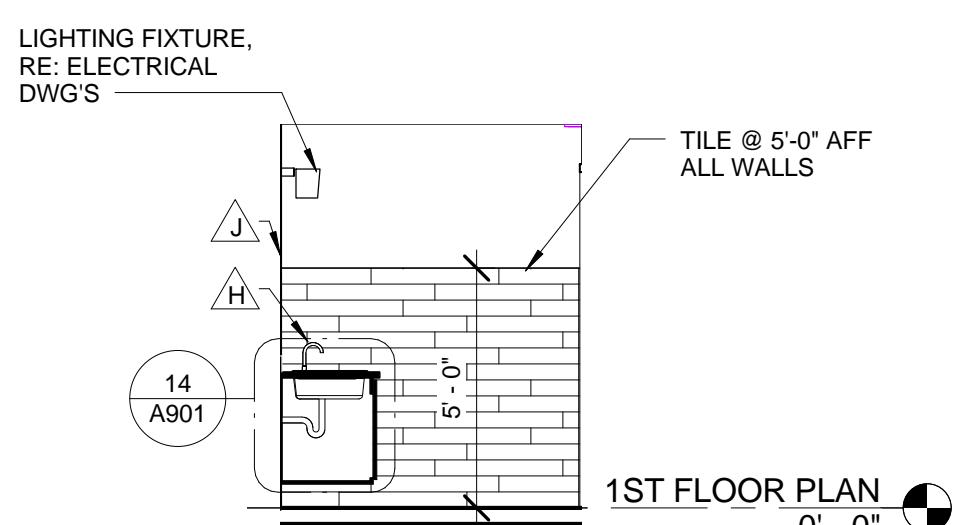
SHOWER / RESTROOM 117 ELEVATION
SOUTH
 $1/4'' = 1'-0''$



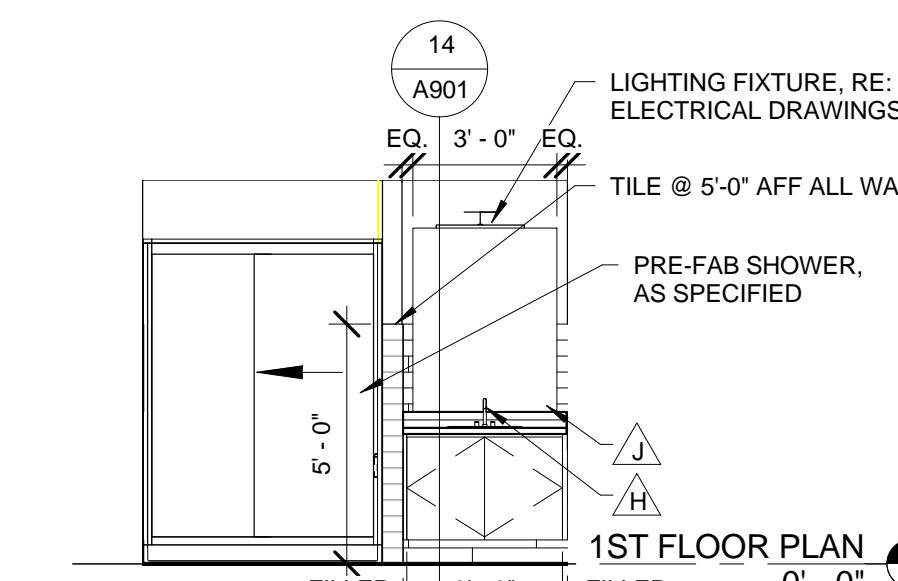
SHOWER / RESTROOM 117 ELEVATION
NORTH
 $1/4'' = 1'-0''$



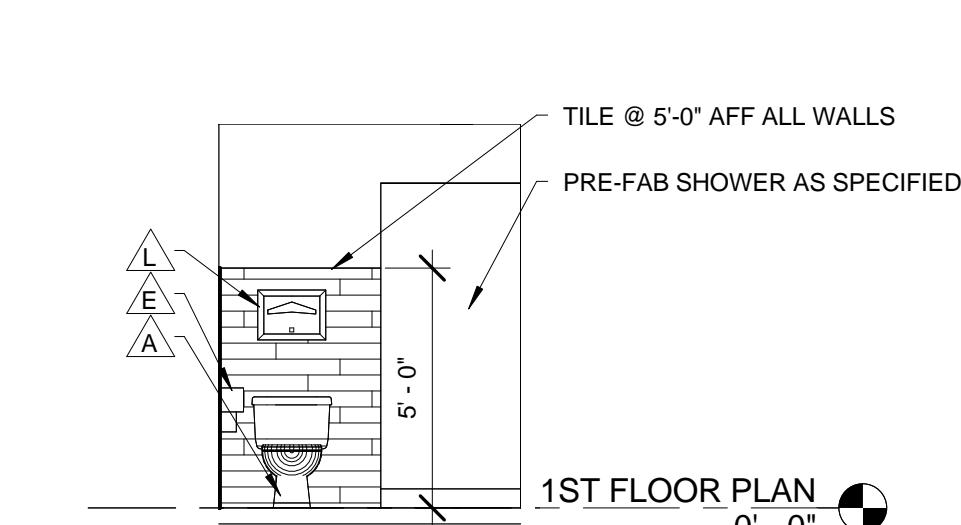
SHOWER / RESTROOM 117 ELEVATION
WEST
 $1/4'' = 1'-0''$



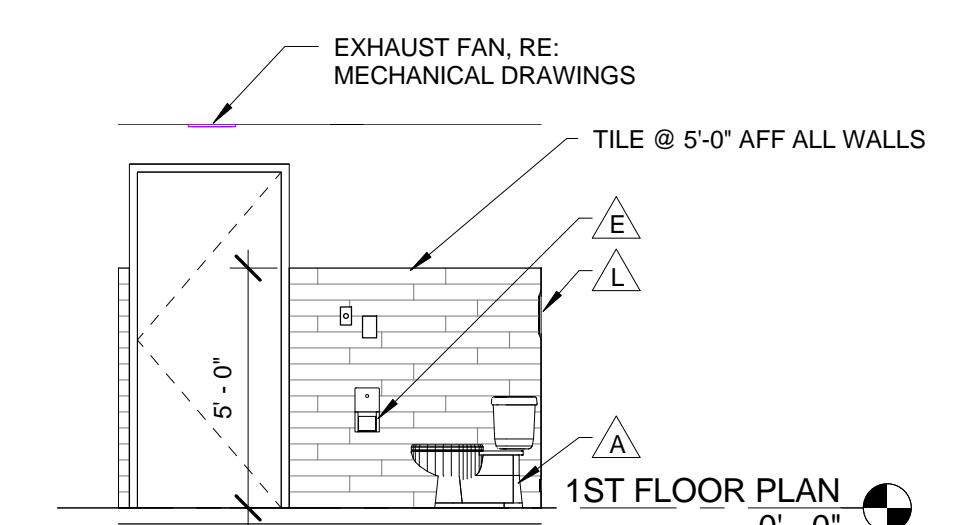
CAPT. R.R. 106 ELEVATION SOUTH
 $1/4'' = 1'-0''$



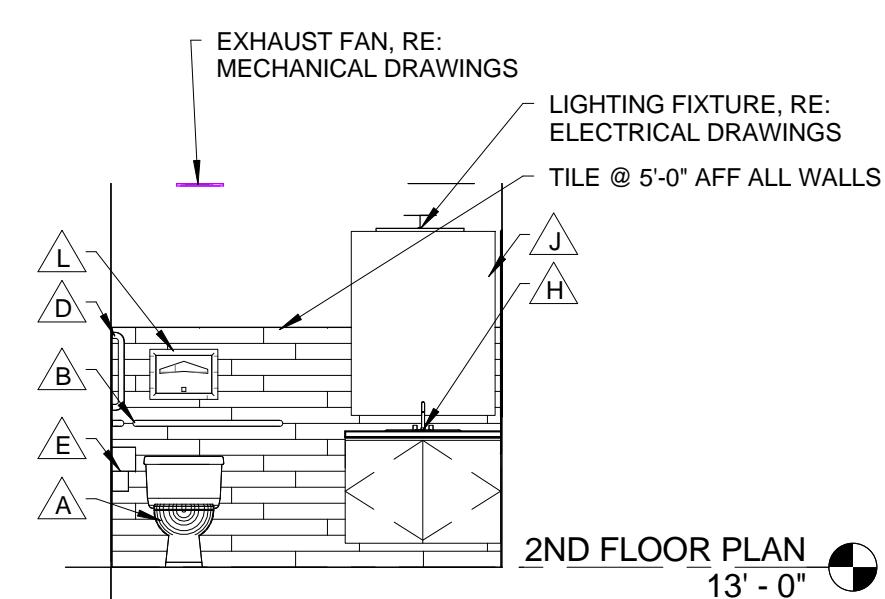
CAPT. R.R. 106 ELEVATION EAST
 $1/4'' = 1'-0''$



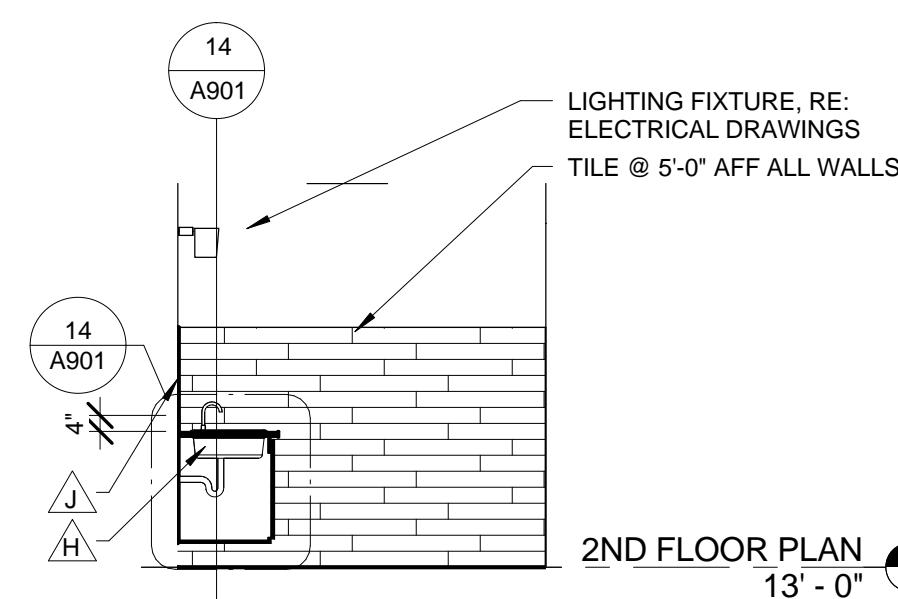
CAPT. R.R. 106 ELEVATION NORTH
 $1/4'' = 1'-0''$



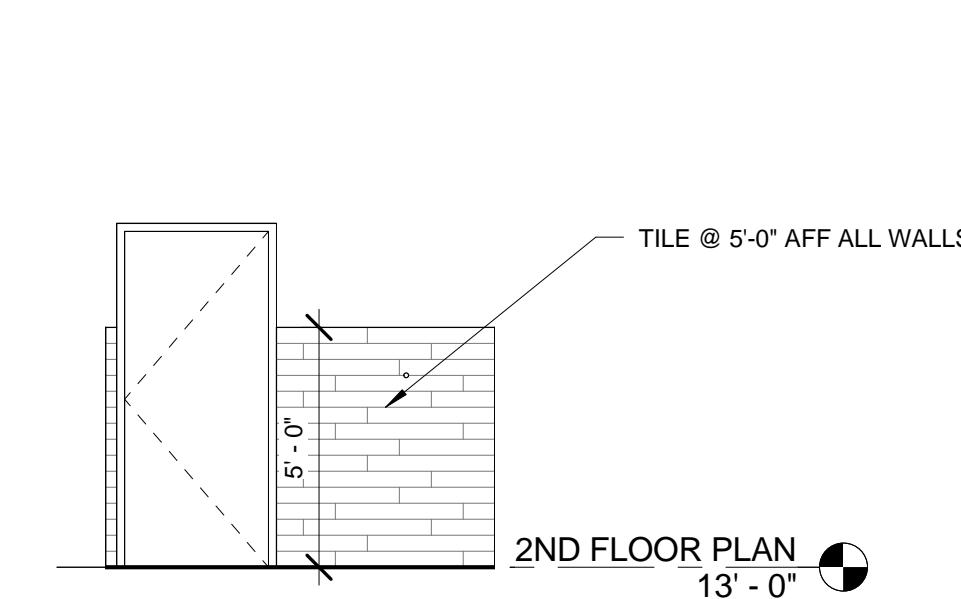
CAPT. R.R. 106 ELEVATION WEST
 $1/4'' = 1'-0''$



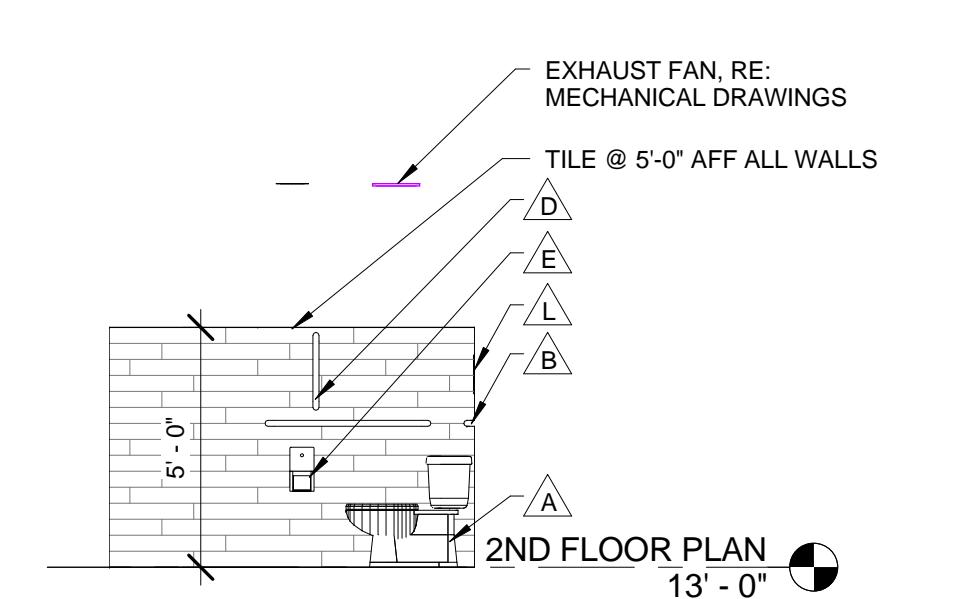
RESTROOM 202 ELEVATION EAST
 $1/4'' = 1'-0''$



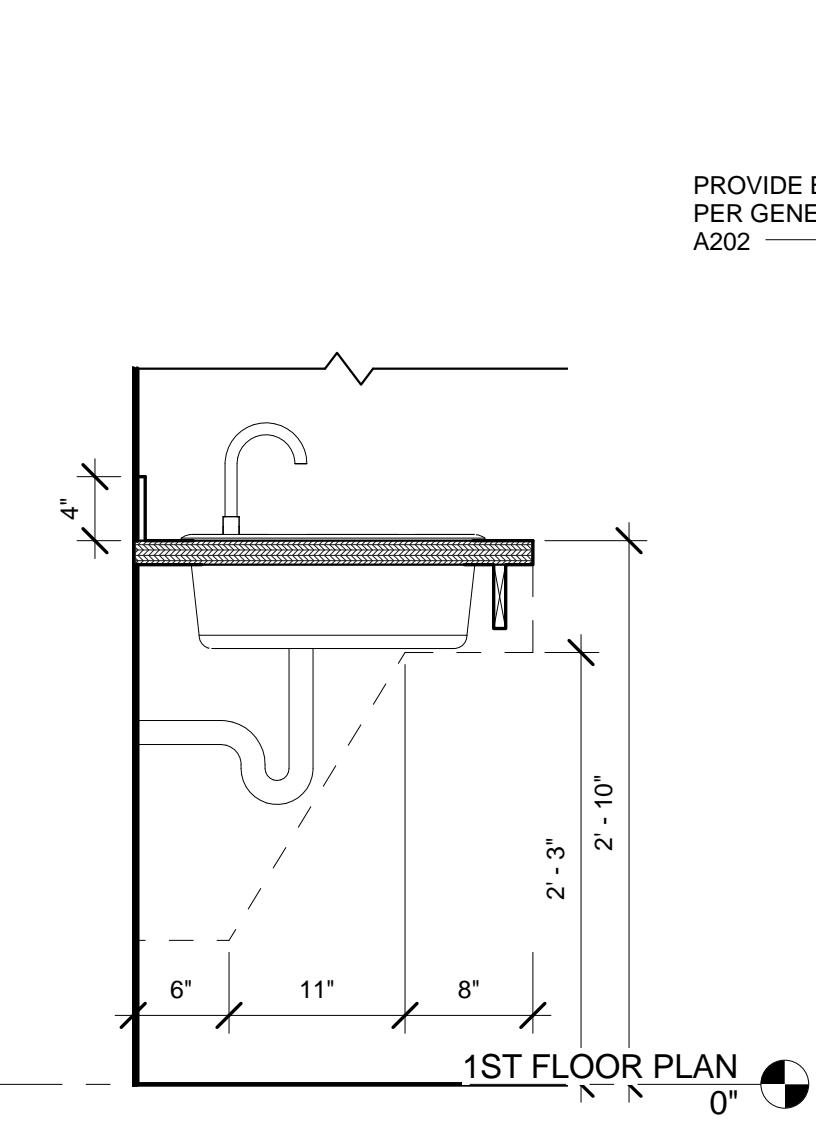
RESTROOM 202 ELEVATION SOUTH
 $1/4'' = 1'-0''$



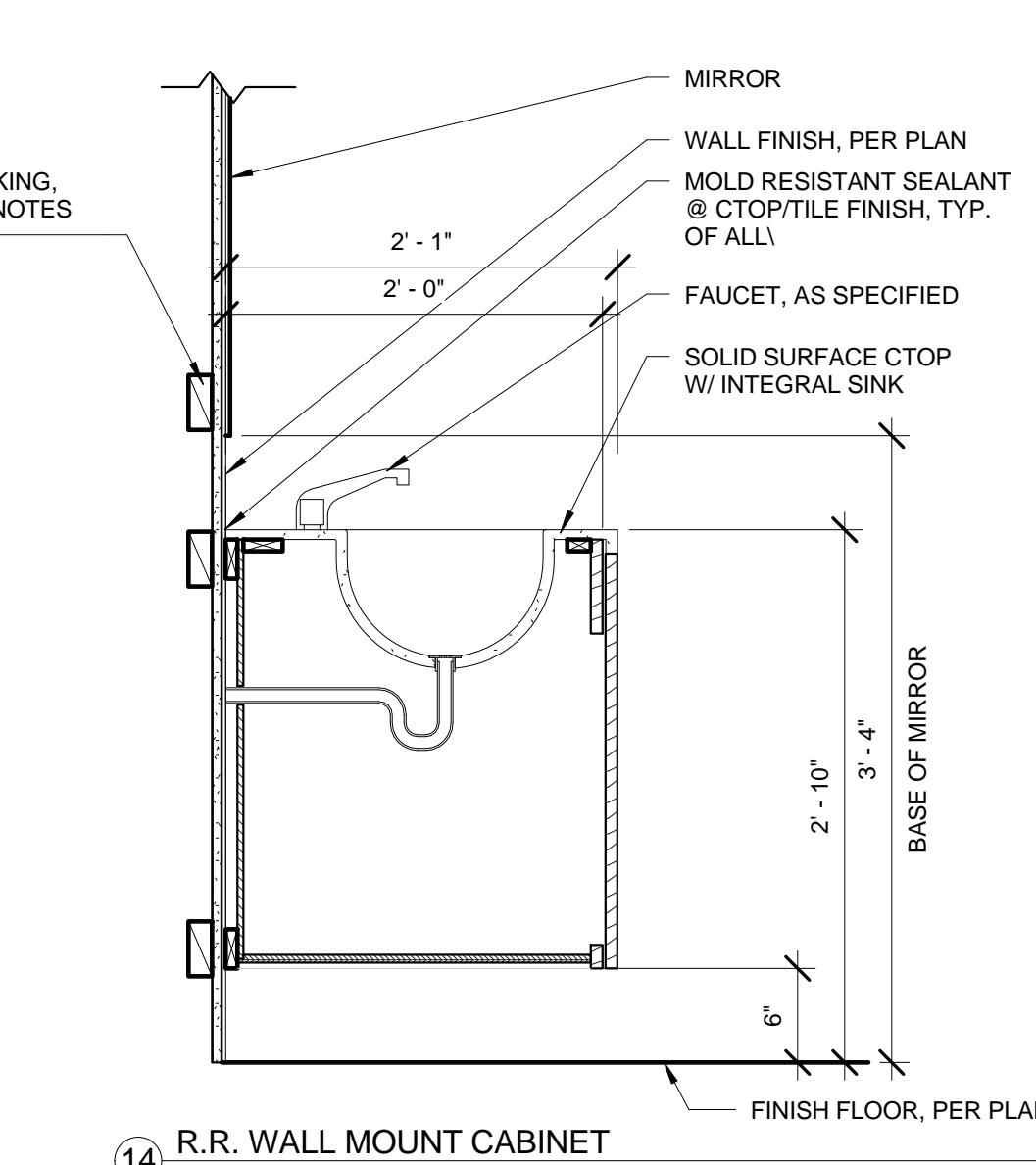
RESTROOM 202 ELEVATION WEST
 $1/4'' = 1'-0''$



RESTROOM 202 ELEVATION NORTH
 $1/4'' = 1'-0''$



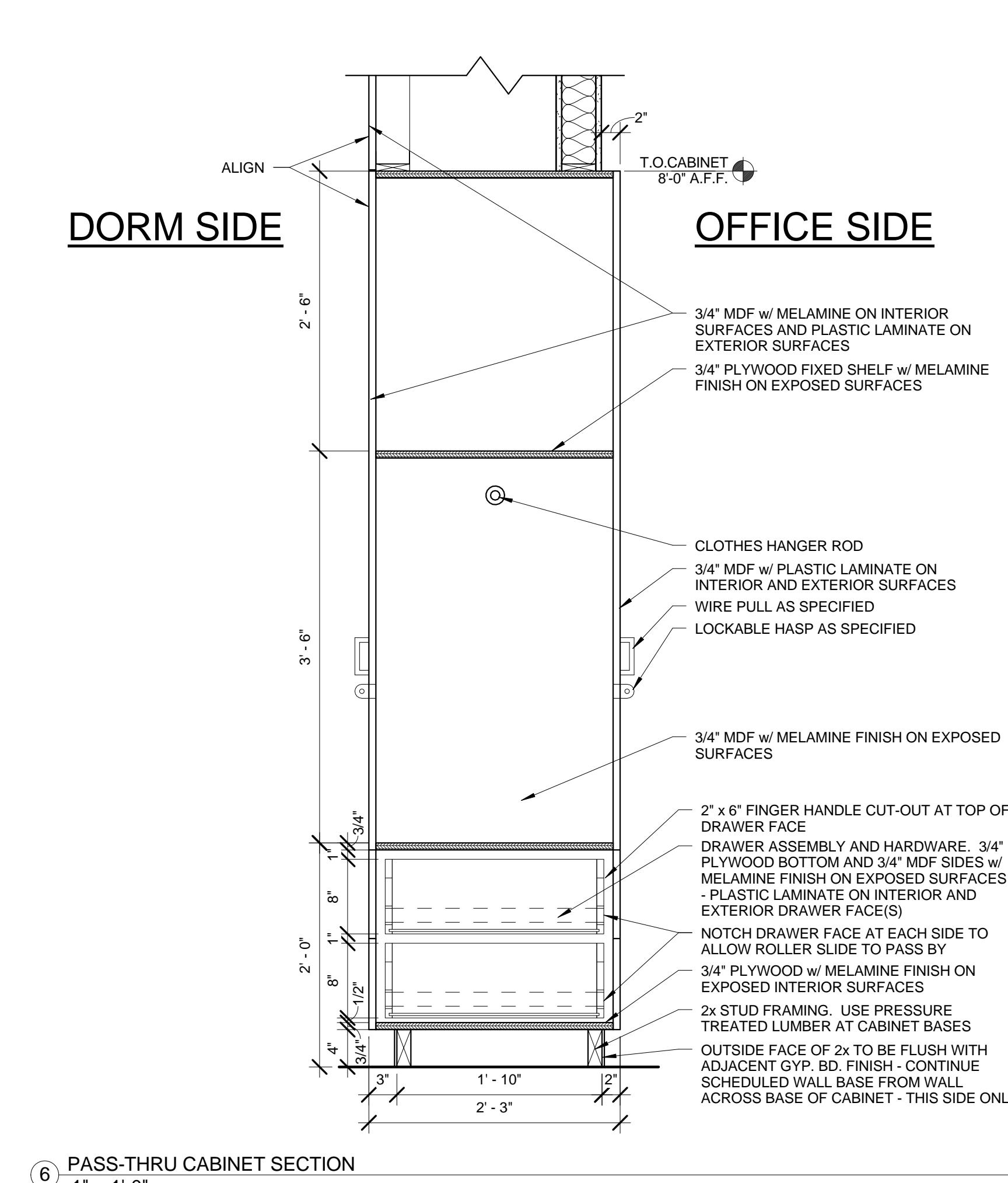
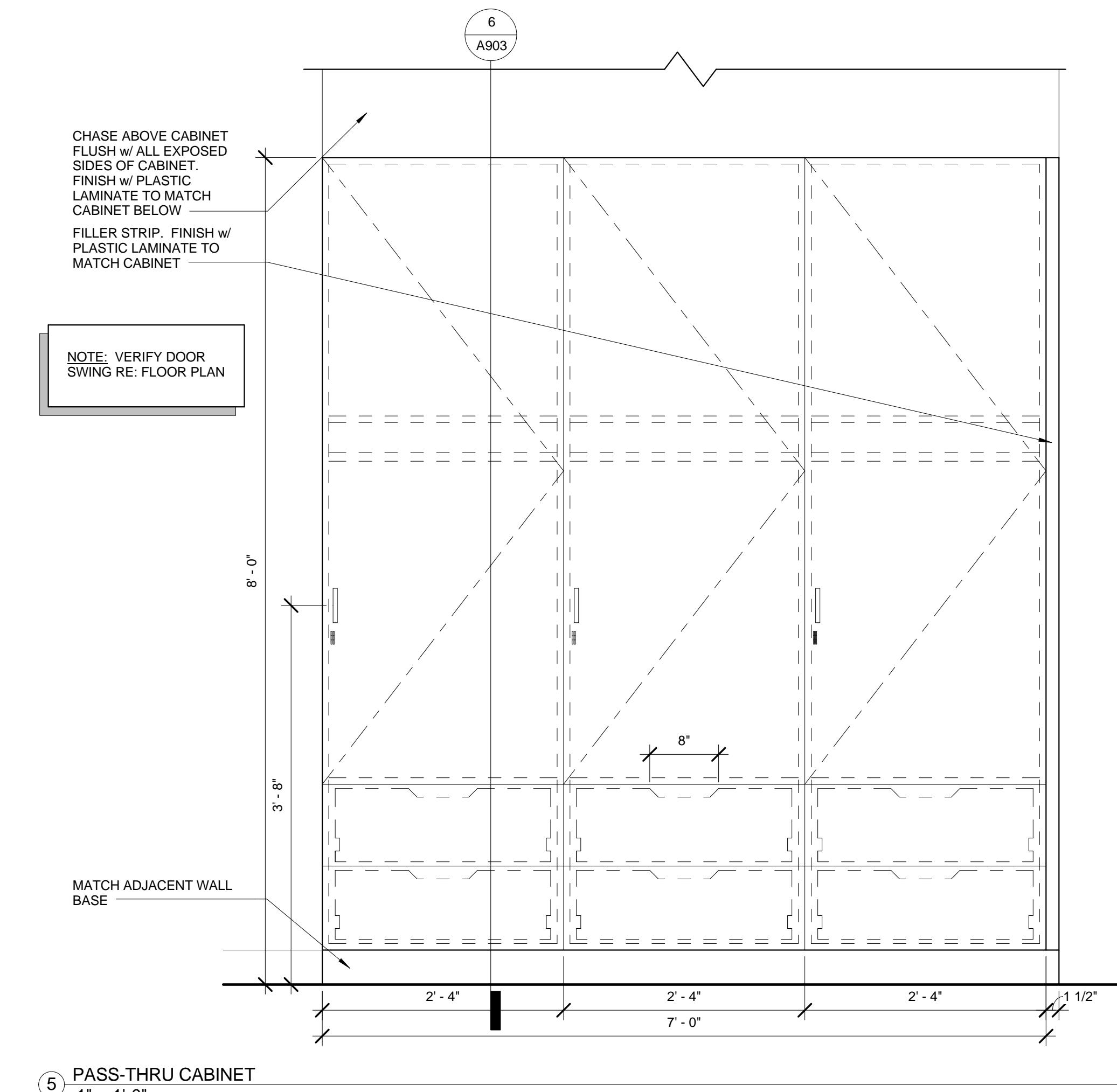
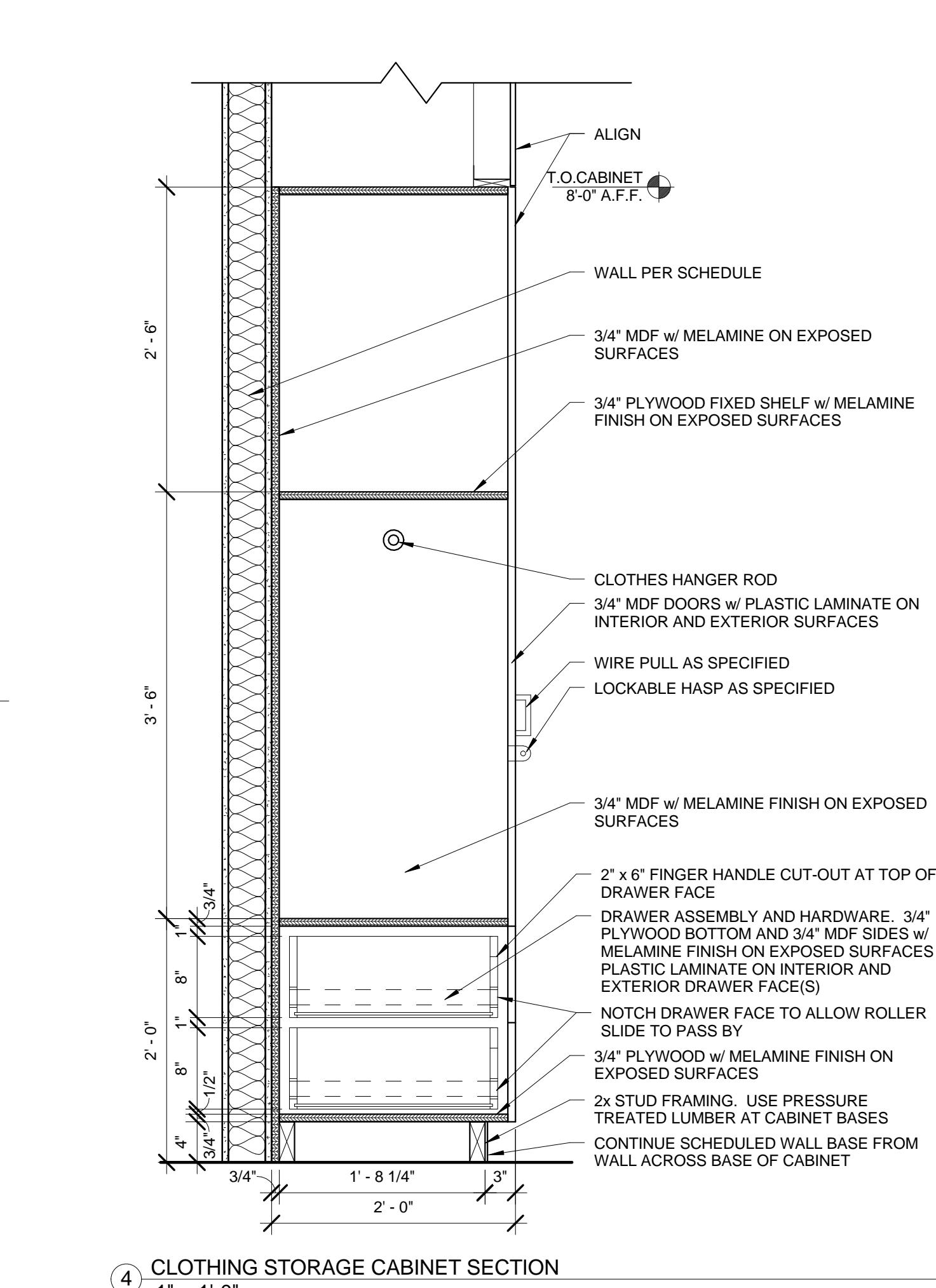
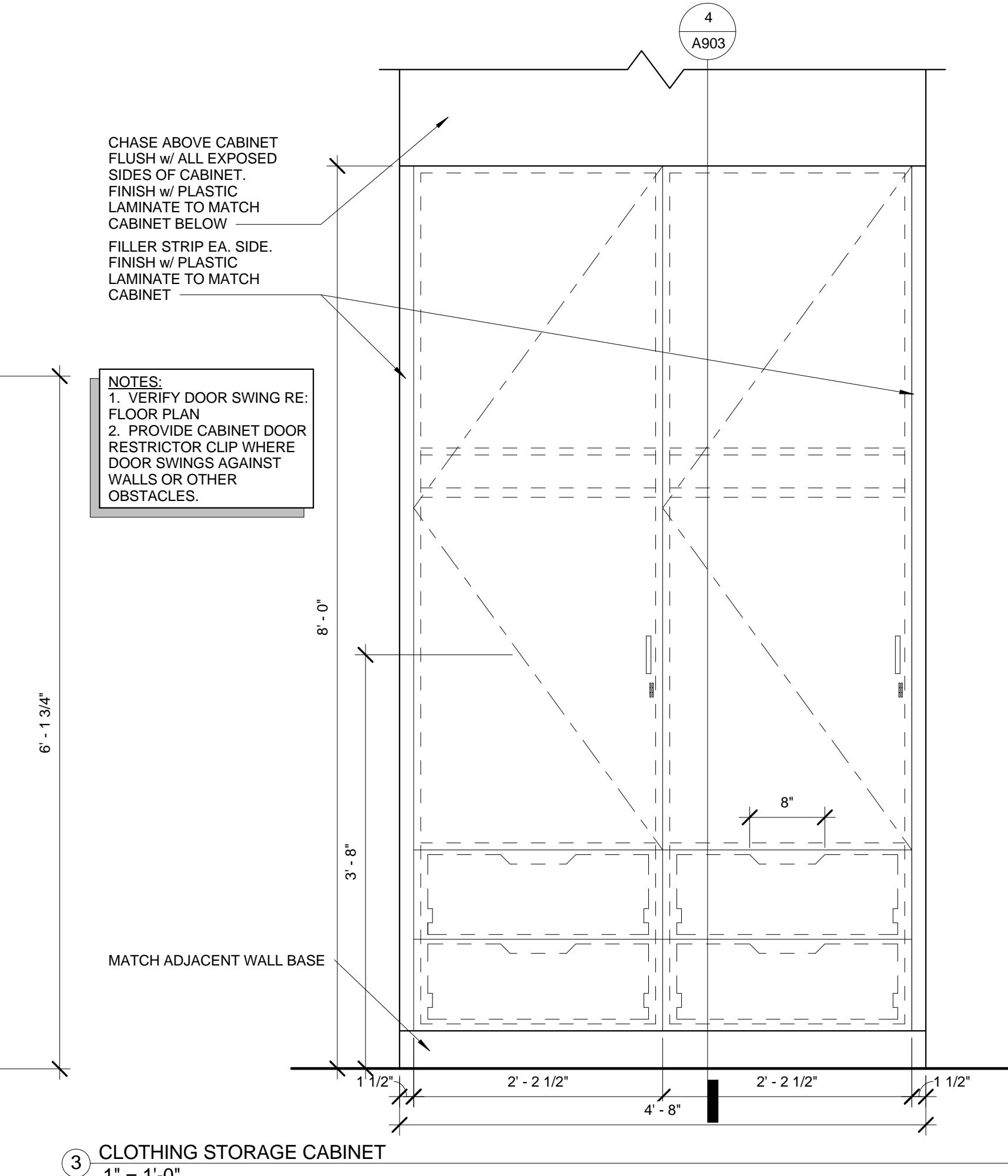
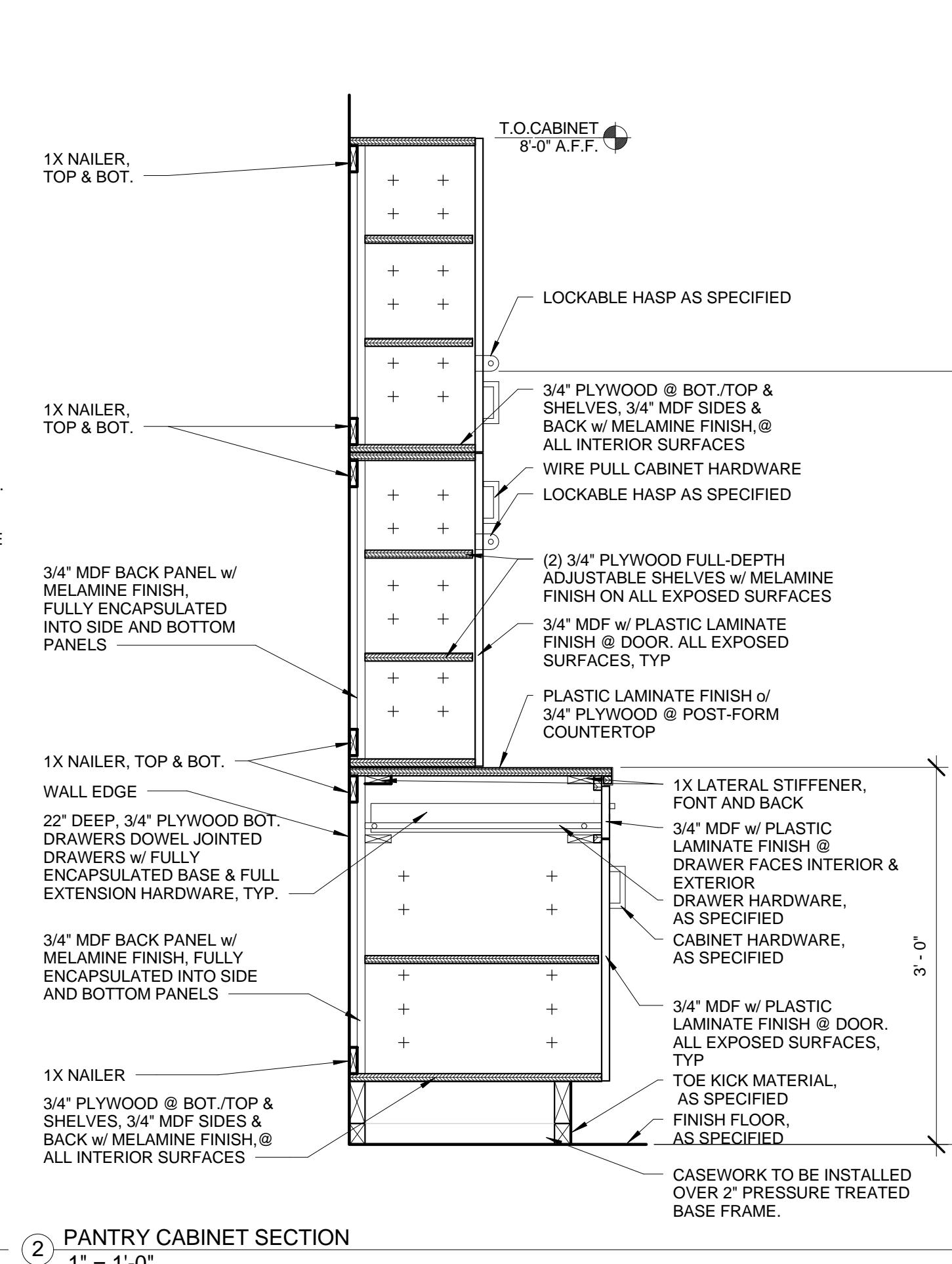
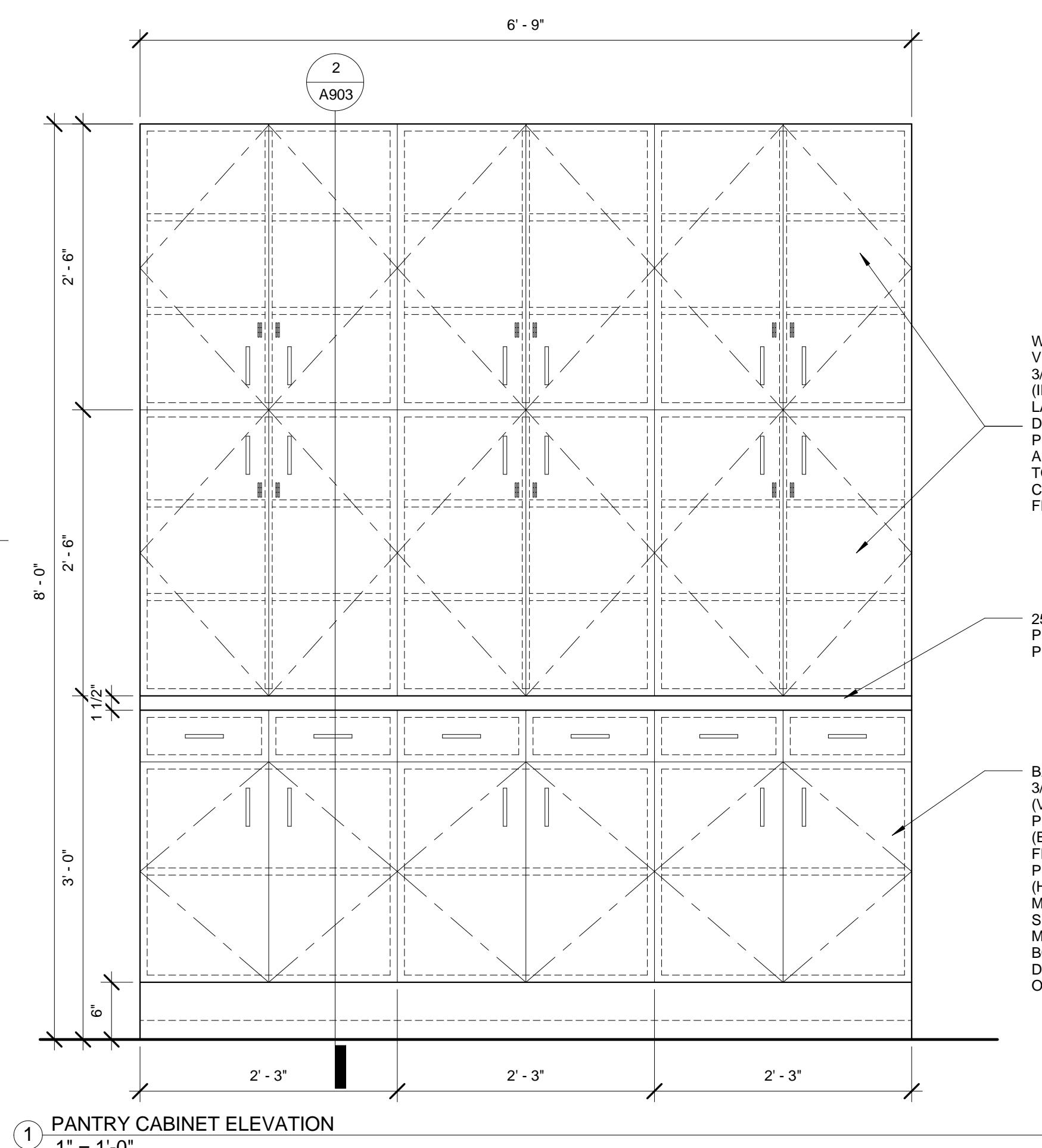
RESTROOM VANITY SECTION
 $1'' = 1'-0''$



R.R. WALL MOUNT CABINET
 $1'' = 1'-0''$

NOT FOR CONSTRUCTION

CONSULTANT:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

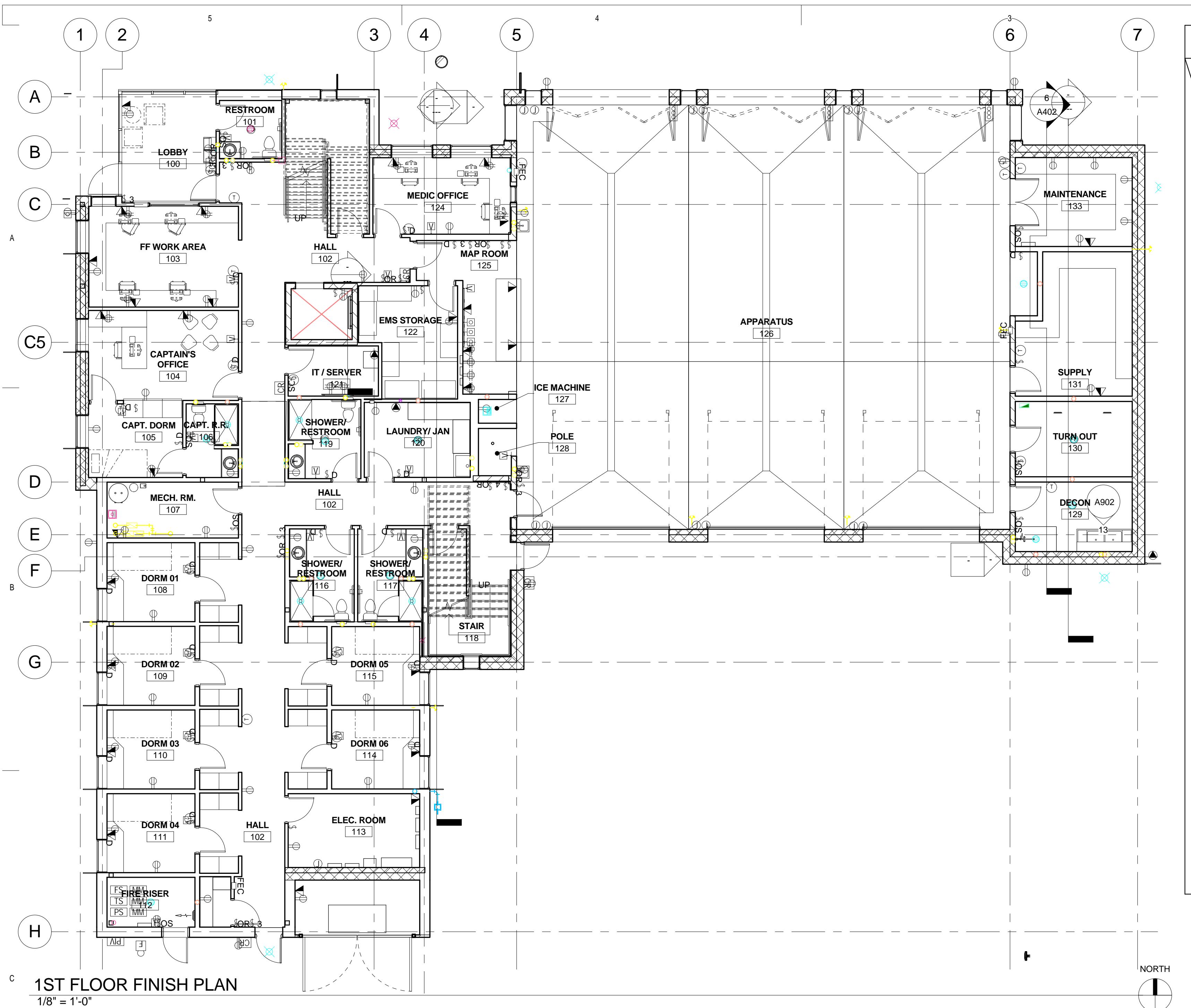
MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD's
PROJECT NUMBER	15-28
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris / R. TeBeau
DRAWN BY	Author

SHEET NAME:

CABINET DETAILS	A903
SHEET NUMBER:	

A903



1ST FLOOR FINISH PLAN

1/8" = 1'-0"

ROOM FINISH SCHEDULE - 1st floor

LEVEL	NO.	NAME	FLOOR		WALLS				CEILING				NOTES	
			FINISH	BASE	MATERIAL	NORTH FINISH	EAST MATERIAL	SOUTH FINISH	WEST MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	
1ST FLOOR	100	LOBBY	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	101	RESTROOM	P CONC-1	T-2	GYPBD	EPOXY	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	PT-1 1
1ST FLOOR	102	HALL	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	103	FF WORK AREA	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	104	CAPTAIN'S OFFICE	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	105	CAPT. DORM	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	106	CAPT. R.R.	P CONC-1	T-2	GYPBD	EPOXY	GYPBD	EPOXY	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	PT-1 1
1ST FLOOR	107	MECH. RM.	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	108	DORM 01	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	109	DORM 02	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	110	DORM 03	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	111	DORM 04	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	112	FIRE RISER	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	-	-
1ST FLOOR	113	ELEC. ROOM	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	EPOXY	GYPBD	PT-1	-	-
1ST FLOOR	114	DORM 06	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	115	DORM 05	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	116	SHOWER/ RESTROOM	P CONC-1	T-2	GYPBD	EPOXY	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	EPOXY	GYPBD	PT-1 1
1ST FLOOR	117	SHOWER/ RESTROOM	P CONC-1	T-2	GYPBD	EPOXY	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	PT-1 1
1ST FLOOR	118	STAIR		T-1										
1ST FLOOR	119	SHOWER/ RESTROOM	P CONC-1	T-2	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	T-2 @ 5'-0" EPOXY ABOVE	GYPBD	EPOXY	GYPBD	EPOXY	GYPBD	PT-1 1
1ST FLOOR	120	LAUNDRY/JAN	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	121	IT / SERVER	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	122	EMS STORAGE	P CONC-1	T-1	GYPBD	EPOXY	GYPBD	EPOXY	GYPBD	EPOXY	GYPBD	EPOXY	GYPBD	PT-1
1ST FLOOR	123	STORAGE	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	-	PT-1
1ST FLOOR	124	MEDIC OFFICE	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	125	MAP ROOM	P CONC-1	-	CMU	EPOXY	-	-	CMU	EPOXY	CMU	EPOXY	-	PT-1 2
1ST FLOOR	126	APPARATUS	P CONC-2	-	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	-	PT-1 2, 3
1ST FLOOR	127	ICE MACHINE	P CONC-1	-	CMU	EPOXY	-	-	CMU	EPOXY	CMU	EPOXY	GYPBD	PT-1 2
1ST FLOOR	128	POLE	P CONC-1	-	CMU	EPOXY	-	-	CMU	EPOXY	CMU	EPOXY	GYPBD	PT-1 2
1ST FLOOR	129	DECON	P CONC-1	-	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	-	PT-1 2, 3
1ST FLOOR	130	TURN OUT	P CONC-1	-	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	-	PT-1 2
1ST FLOOR	131	SUPPLY	P CONC-1	-	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	-	PT-1 2
1ST FLOOR	132	WASH ALCOVE	P CONC-1	-	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	-	PT-1 2, 3
1ST FLOOR	133	MAINTENANCE	P CONC-1	-	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	CMU	EPOXY	-	PT-1 2
1ST FLOOR	134	CLOSET	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-
1ST FLOOR	135	STORAGE	P CONC-1	T-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	GYPBD	PT-1	ACT-1	-

FINISH SPECIFICATIONS:

A. REFER TO ARCHITECTURAL FLOOR, ELEVATION AND FINISH PLANS.
B. ALL TILE TO BE INSTALLED PER RECOMMENDATIONS ESTABLISHED BY THE TILE COUNCIL OF NORTH AMERICA.
C. UNLESS NOTED OTHERWISE, CASEWORK TO BE CONSTRUCTED AS FOLLOWS: VERTICAL ELEMENTS TO BE 3/4" MDF w/ MELAMINE FINISH (INTERIOR) & PLASTIC LAMINATE FINISH (EXTERIOR). DOORS/DRAWERS (ALL SURFACES) TO BE 3/4" MDF w/ PLASTIC LAMINATE FINISH. HORIZONTAL ELEMENTS TO BE 3/4" PLYWOOD CONSTRUCTION w/ MELAMINE FINISH (INTERIOR). LAM-1 AT COUNTERTOPS, INCLUDING BACKSPASHES, J.N.O. PROVIDE MIN. 3MM EDGE BANDING. REFER TO ELEVATIONS FOR MILLWORK FINISH LOCATIONS.
D. PROVIDE CONTROL JOINTS AT TRANSITION BETWEEN WALL AND GYP BOARD SOFFIT.
E. PROVIDE FULL MANUFACTURER'S STANDARD COLOR SAMPLES TO ARCHITECT FOR APPROVAL FOR THE FOLLOWING ITEMS: MISCELLANEOUS METALS, FIRE EXTINGUISHER CABINETS, CABINET UNIT HEATERS, ELECTRICAL PANELS, ACCESS PANELS LOCATED IN GYP BOARD CEILINGS.
F. PROVIDE A THIN, CLEAR, SILICONE BEAD (1/8") AT PERIMETER OF ALL DOOR FRAMES AND BROWSED GLASS LITES AFTER INSTALLATION OF SCHEDULED WALL COVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN, PAINTABLE SILICONE BEAD (1/8") AT PERIMETER PRIOR TO PAINTING, ONLY WHERE THE FRAME DOES NOT MEET THE WALL.
G. PROVIDE OWNER'S STOCK IN THE FLOWING QUANTITIES:
 *CERAMIC TILE/POGLAN TILES 1/2 CARTON OF EACH TYPE AND COLOR OF TILE SPECIFIED
 *ACOUSTICAL CEILING TILE: 100 SQUARE FEET OF EACH TYPE OF ACOUSTICAL UNIT SPECIFIED, PLUS 20 LINEAL FEET OF EXPOSED SUSPENSION SYSTEM COMPONENTS.
 PAINT: 1 GALLON OF EACH COLOR.
H. PROVIDE SHOWER CURTAIN AT ADA SHOWER. PROVIDE DOOR AT ALL OTHER SHOWERS.
I. WINDOW SILLS TO RECEIVE SOLID SURFACING WHITE LAMINATE UNLESS OTHERWISE NOTED. ALL SOLID SURFACE EDGES TO HAVE AN EASED EDGE.
J. AT ROOMS WITH EXPOSED CEILING, PAINT WALLS TO UNDERSIDE OF STRUCTURE ABOVE. PAINT EXPOSED STRUCTURAL MEMBERS.
K. AT GYPSUM BOARD CEILINGS, PROVIDE FACTORY FINISH STANDARD CHROME SEMI-RECESSED SPRINKLER HEAD COVERS TO MATCH COLOR OF ADJACENT CEILING FINISH, AS SCHEDULED.
L. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER/SUBCONTRACTOR PER MANUFACTURER'S INSTRUCTIONS. USE MANUFACTURER'S APPROVED ADHESIVES AND SEALERS.
M. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE NOTED.
N. PROVIDE 7'-0" TALL 18 GA., TYPE 304 - SATIN FINISH, STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED INTERIOR WALL CORNERS. CORNER GUARDS TO BE 1-1/2" WIDE AND SELF ADHERED.

GENERAL NOTES FINISH PLAN:

A. REFER TO ARCHITECTURAL FLOOR, ELEVATION AND FINISH PLANS.
B. ALL TILE TO BE INSTALLED PER RECOMMENDATIONS ESTABLISHED BY THE TILE COUNCIL OF NORTH AMERICA.
C. UNLESS NOTED OTHERWISE, CASEWORK TO BE CONSTRUCTED AS FOLLOWS: VERTICAL ELEMENTS TO BE 3/4" MDF w/ MELAMINE FINISH (INTERIOR) & PLASTIC LAMINATE FINISH (EXTERIOR). DOORS/DRAWERS (ALL SURFACES) TO BE 3/4" MDF w/ PLASTIC LAMINATE FINISH. HORIZONTAL ELEMENTS TO BE 3/4" PLYWOOD CONSTRUCTION w/ MELAMINE FINISH (INTERIOR). LAM-1 AT COUNTERTOPS, INCLUDING BACKSPASHES, J.N.O. PROVIDE MIN. 3MM EDGE BANDING. REFER TO ELEVATIONS FOR MILLWORK FINISH LOCATIONS.
D. PROVIDE CONTROL JOINTS AT TRANSITION BETWEEN WALL AND GYP BOARD SOFFIT.
E. PROVIDE FULL MANUFACTURER'S STANDARD COLOR SAMPLES TO ARCHITECT FOR APPROVAL FOR THE FOLLOWING ITEMS: MISCELLANEOUS METALS, FIRE EXTINGUISHER CABINETS, CABINET UNIT HEATERS, ELECTRICAL PANELS, ACCESS PANELS LOCATED IN GYP BOARD CEILINGS.
F. PROVIDE A THIN, CLEAR, SILICONE BEAD (1/8") AT PERIMETER OF ALL DOOR FRAMES AND BROWSED GLASS LITES AFTER INSTALLATION OF SCHEDULED WALL COVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN, PAINTABLE SILICONE BEAD (1/8") AT PERIMETER PRIOR TO PAINTING, ONLY WHERE THE FRAME DOES NOT MEET THE WALL.
G. PROVIDE OWNER'S STOCK IN THE FLOWING QUANTITIES:
 *CERAMIC TILE/POGLAN TILES 1/2 CARTON OF EACH TYPE AND COLOR OF TILE SPECIFIED
 *ACOUSTICAL CEILING TILE: 100 SQUARE FEET OF EACH TYPE OF ACOUSTICAL UNIT SPECIFIED, PLUS 20 LINEAL FEET OF EXPOSED SUSPENSION SYSTEM COMPONENTS.
 PAINT: 1 GALLON OF EACH COLOR.
H. PROVIDE SHOWER CURTAIN AT ADA SHOWER. PROVIDE DOOR AT ALL OTHER SHOWERS.
I. WINDOW SILLS TO RECEIVE SOLID SURFACING WHITE LAMINATE UNLESS OTHERWISE NOTED. ALL SOLID SURFACE EDGES TO HAVE AN EASED EDGE.
J. AT ROOMS WITH EXPOSED CEILING, PAINT WALLS TO UNDERSIDE OF STRUCTURE ABOVE. PAINT EXPOSED STRUCTURAL MEMBERS.
K. AT GYPSUM BOARD CEILINGS, PROVIDE FACTORY FINISH STANDARD CHROME SEMI-RECESSED SPRINKLER HEAD COVERS TO MATCH COLOR OF ADJACENT CEILING FINISH, AS SCHEDULED.
L. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER/SUBCONTRACTOR PER MANUFACTURER'S INSTRUCTIONS. USE MANUFACTURER'S APPROVED ADHESIVES AND SEALERS.
M. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE NOTED.
N. PROVIDE 7'-0" TALL 18 GA., TYPE 304 - SATIN FINISH, STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED INTERIOR WALL CORNERS. CORNER GUARDS TO BE 1-1/2" WIDE AND SELF ADHERED.

KEY NOTES:

1. XXX



NOT FOR CONSTRUCTION
CONSULTANT:
STAMP:

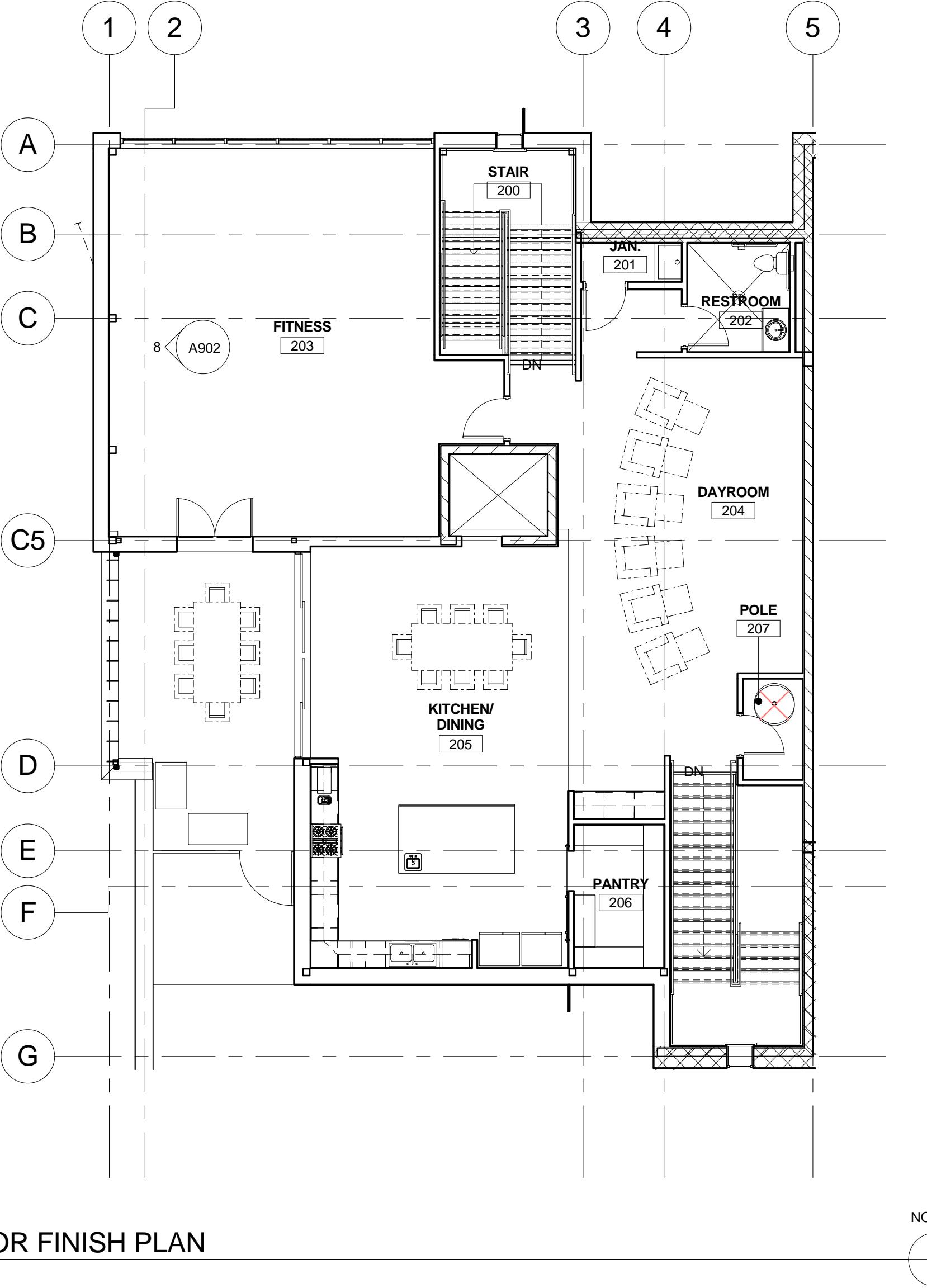


City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

<

5	4	3	2	1																																																																																																																																										
 <p>2ND FLOOR FINISH PLAN 1/8" = 1'-0"</p>																																																																																																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">FINISH SPECIFICATIONS:</th> <th colspan="5">GENERAL NOTES FINISH PLAN:</th> </tr> </thead> <tbody> <tr> <td colspan="5"> <p>STAIR NOSING PRECAST CONCRETE</p> <p>PT-1 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: OC-131, WHITE DOWN FINISH: SATIN</p> <p>PT-2 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: 2065-30 BLUEBERRY FINISH: SATIN</p> <p>PT-3 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: 2112-10, MINK FINISH: SEMIGLOSS</p> <p>LAM-1 (LAMINATE) MANUFACTURER: WILSONART COLOR: MONTANA WALNUT, #7110K-78</p> <p>LAM-2 (LAMINATE) PROVIDE STANDARD WHITE LAMINATE. SUBMIT TO ARCHITECT FOR APPROVAL.</p> <p>LAM-3 (LAMINATE) MANUFACTURER: WILSONART COLOR: PERPERSUD, #D227-60 TRIM: E.B. BRADLY CO. MOD #: FUTM-91BA & FUTM-81BA (SUPPLY AT ALL WALL MOUNTED AREAS)</p> <p>SS-1 (SOLID SURFACE) MANUFACTURER: CAMBRIA COLOR: SNOWDON WHITE</p> <p>BS-1 (BACKSPLASH) MANUFACTURER: CROSSVILLE STYLE: EBB & FLOW STICKS AND STONES - LINEAR MIXED MOSAICS COLOR: EF07 / 1MIXMOS GROUT: TEC, POWER GROUT, COLOR #994, DARK WALNUT.</p> <p>VEEN-1 (VENEER) MANUFACTURER: MARSHFIELD SPECIES: WALNUT VENeer CUT: PLAIN SLICED FINISH: CLEAR</p> <p>CONC-1 POLISHED CONCRETE (LIGHT SAND & PENETRATING SEALER)</p> <p>CONC-2 SEALED CONCRETE</p> <p>CONC-3 SMOOTH SLAB ON GRADE.</p> <p>PCONC-1 POLISHED CONCRETE</p> <p>T-1 (TILE) MANUFACTURER: CROSSVILLE ITEM: MARBLE/MONOLITHIC PORCELAIN STONE COLOR NAME: AV233, CAMEL UPS SIZE: 6" X 16" INSTALLATION: BRICK PATTERN GROUT: 1/8" JOINT: TEC, POWER GROUT, COLOR # 915 LIGHT SMOKE</p> <p>T-2 (TILE) MANUFACTURER: COLOR NAME: SIZE: INSTALLATION: GROUT:</p> <p>NOTE: ALL FINISH MANUFACTURERS SPECIFIED ARE "BASIS OF DESIGN." PRIOR TO BIDDING, SUBMIT "FOR EQUAL" PRODUCTS TO ARCHITECT FOR REVIEW/ APPROVAL.</p> </td> <td colspan="5"> <p>A. REFER TO ARCHITECTURAL FLOOR, ELEVATION AND FINISH PLANS.</p> <p>B. ALL TILE TO BE INSTALLED PER RECOMMENDATIONS ESTABLISHED BY THE TILE COUNCIL OF NORTH AMERICA.</p> <p>C. UNLESS NOTED OTHERWISE, CASEWORK TO BE CONSTRUCTED AS FOLLOWS: VERTICAL ELEMENTS TO BE 3/4" MDF w/ MELAMINE FINISH (INTERIOR) & PLASTIC LAMINATE FINISH (EXTERIOR). DOORS/DRAWERS (ALL SURFACES) TO BE 3/4" MDF w/ PLASTIC LAMINATE FINISHES. HORIZONTAL ELEMENTS TO BE 3/4" PLYWOOD CONSTRUCTION w/ MELAMINE FINISH (INTERIOR). LAM-1 AT COUNTERTOPS, INCLUDING BACKSPLASHES, J.N.O. PROVIDE MIN. 3MM EDGE BANDING. REFER TO ELEVATIONS FOR MILLWORK FINISH LOCATIONS.</p> <p>D. PROVIDE CONTROL JOINTS AT TRANSITION BETWEEN WALL AND GYP BOARD SOFFIT.</p> <p>E. PROVIDE FULL MANUFACTURER'S STANDARD COLOR SAMPLES TO ARCHITECT FOR APPROVAL FOR THE FOLLOWING ITEMS: MISCELLANEOUS METALS, FIRE EXTINGUISHER CABINETS, CABINET UNIT HEATERS, ELECTRICAL PANELS, ACCESS PANELS LOCATED IN GYP BOARD CEILINGS.</p> <p>F. PROVIDE A THIN, CLEAR, SILICONE BEAD (1/8") AT PERIMETER OF ALL DOOR FRAMES AND BROWSED GLASS LITES AFTER INSTALLATION OF SCHEDULED WALL COVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN, PAINTABLE SILICONE BEAD (1/8") AT PERIMETER PRIOR TO PAINTING, ONLY WHERE THE FRAME DOES NOT MEET THE WALL.</p> <p>G. PROVIDE OWNER'S STOCK IN THE FLOWING QUANTITIES: "CERAMIC TILE/POGLAN TILE 1/2 CARTON OF EACH TYPE AND COLOR OF TILE SPECIFIED ACOUSTICAL CEILING TILE- 100 SQUARE FEET OF EACH TYPE OF ACOUSTICAL UNIT SPECIFIED, PLUS 20 LINEAL FEET OF EXPOSED SUSPENSION SYSTEM COMPONENTS. PAINT: 1 GALLON OF EACH COLOR.</p> <p>H. PROVIDE SHOWER CURTAIN AT ADA SHOWER. PROVIDE DOOR AT ALL OTHER SHOWERS.</p> <p>I. WINDOW SILLS TO RECEIVE SOLID SURFACING WHITE LAMINATE UNLESS OTHERWISE NOTED. ALL SOLID SURFACE EDGES TO HAVE AN EASED EDGE.</p> <p>J. AT ROOMS WITH EXPOSED CEILING, PAINT WALLS TO UNDERSIDE OF STRUCTURE ABOVE. PAINT EXPOSED STRUCTURAL MEMBERS.</p> <p>K. AT GYPSUM BOARD CEILINGS, PROVIDE FACTORY FINISH STANDARD CHROME SEMI-RECESSED SPRINKLER HEAD COVERS TO MATCH COLOR OF ADJACENT CEILING FINISH, AS SCHEDULED.</p> <p>L. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER/SUBCONTRACTOR PER MANUFACTURER'S INSTRUCTIONS. USE MANUFACTURER'S APPROVED ADHESIVES AND SEAM SEALERS.</p> <p>M. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE NOTED.</p> <p>N. PROVIDE 7'-0" TALL 18 GA., TYPE 304 - SATIN FINISH, STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED INTERIOR WALL CORNERS. CORNER GUARDS TO BE 1-1/2" WIDE AND SELF ADHERED.</p> </td> </tr> </tbody> </table>					FINISH SPECIFICATIONS:					GENERAL NOTES FINISH PLAN:					<p>STAIR NOSING PRECAST CONCRETE</p> <p>PT-1 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: OC-131, WHITE DOWN FINISH: SATIN</p> <p>PT-2 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: 2065-30 BLUEBERRY FINISH: SATIN</p> <p>PT-3 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: 2112-10, MINK FINISH: SEMIGLOSS</p> <p>LAM-1 (LAMINATE) MANUFACTURER: WILSONART COLOR: MONTANA WALNUT, #7110K-78</p> <p>LAM-2 (LAMINATE) PROVIDE STANDARD WHITE LAMINATE. SUBMIT TO ARCHITECT FOR APPROVAL.</p> <p>LAM-3 (LAMINATE) MANUFACTURER: WILSONART COLOR: PERPERSUD, #D227-60 TRIM: E.B. BRADLY CO. MOD #: FUTM-91BA & FUTM-81BA (SUPPLY AT ALL WALL MOUNTED AREAS)</p> <p>SS-1 (SOLID SURFACE) MANUFACTURER: CAMBRIA COLOR: SNOWDON WHITE</p> <p>BS-1 (BACKSPLASH) MANUFACTURER: CROSSVILLE STYLE: EBB & FLOW STICKS AND STONES - LINEAR MIXED MOSAICS COLOR: EF07 / 1MIXMOS GROUT: TEC, POWER GROUT, COLOR #994, DARK WALNUT.</p> <p>VEEN-1 (VENEER) MANUFACTURER: MARSHFIELD SPECIES: WALNUT VENeer CUT: PLAIN SLICED FINISH: CLEAR</p> <p>CONC-1 POLISHED CONCRETE (LIGHT SAND & PENETRATING SEALER)</p> <p>CONC-2 SEALED CONCRETE</p> <p>CONC-3 SMOOTH SLAB ON GRADE.</p> <p>PCONC-1 POLISHED CONCRETE</p> <p>T-1 (TILE) MANUFACTURER: CROSSVILLE ITEM: MARBLE/MONOLITHIC PORCELAIN STONE COLOR NAME: AV233, CAMEL UPS SIZE: 6" X 16" INSTALLATION: BRICK PATTERN GROUT: 1/8" JOINT: TEC, POWER GROUT, COLOR # 915 LIGHT SMOKE</p> <p>T-2 (TILE) MANUFACTURER: COLOR NAME: SIZE: INSTALLATION: GROUT:</p> <p>NOTE: ALL FINISH MANUFACTURERS SPECIFIED ARE "BASIS OF DESIGN." PRIOR TO BIDDING, SUBMIT "FOR EQUAL" PRODUCTS TO ARCHITECT FOR REVIEW/ APPROVAL.</p>					<p>A. REFER TO ARCHITECTURAL FLOOR, ELEVATION AND FINISH PLANS.</p> <p>B. ALL TILE TO BE INSTALLED PER RECOMMENDATIONS ESTABLISHED BY THE TILE COUNCIL OF NORTH AMERICA.</p> <p>C. UNLESS NOTED OTHERWISE, CASEWORK TO BE CONSTRUCTED AS FOLLOWS: VERTICAL ELEMENTS TO BE 3/4" MDF w/ MELAMINE FINISH (INTERIOR) & PLASTIC LAMINATE FINISH (EXTERIOR). DOORS/DRAWERS (ALL SURFACES) TO BE 3/4" MDF w/ PLASTIC LAMINATE FINISHES. HORIZONTAL ELEMENTS TO BE 3/4" PLYWOOD CONSTRUCTION w/ MELAMINE FINISH (INTERIOR). LAM-1 AT COUNTERTOPS, INCLUDING BACKSPLASHES, J.N.O. PROVIDE MIN. 3MM EDGE BANDING. REFER TO ELEVATIONS FOR MILLWORK FINISH LOCATIONS.</p> <p>D. PROVIDE CONTROL JOINTS AT TRANSITION BETWEEN WALL AND GYP BOARD SOFFIT.</p> <p>E. PROVIDE FULL MANUFACTURER'S STANDARD COLOR SAMPLES TO ARCHITECT FOR APPROVAL FOR THE FOLLOWING ITEMS: MISCELLANEOUS METALS, FIRE EXTINGUISHER CABINETS, CABINET UNIT HEATERS, ELECTRICAL PANELS, ACCESS PANELS LOCATED IN GYP BOARD CEILINGS.</p> <p>F. PROVIDE A THIN, CLEAR, SILICONE BEAD (1/8") AT PERIMETER OF ALL DOOR FRAMES AND BROWSED GLASS LITES AFTER INSTALLATION OF SCHEDULED WALL COVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN, PAINTABLE SILICONE BEAD (1/8") AT PERIMETER PRIOR TO PAINTING, ONLY WHERE THE FRAME DOES NOT MEET THE WALL.</p> <p>G. PROVIDE OWNER'S STOCK IN THE FLOWING QUANTITIES: "CERAMIC TILE/POGLAN TILE 1/2 CARTON OF EACH TYPE AND COLOR OF TILE SPECIFIED ACOUSTICAL CEILING TILE- 100 SQUARE FEET OF EACH TYPE OF ACOUSTICAL UNIT SPECIFIED, PLUS 20 LINEAL FEET OF EXPOSED SUSPENSION SYSTEM COMPONENTS. PAINT: 1 GALLON OF EACH COLOR.</p> <p>H. PROVIDE SHOWER CURTAIN AT ADA SHOWER. PROVIDE DOOR AT ALL OTHER SHOWERS.</p> <p>I. WINDOW SILLS TO RECEIVE SOLID SURFACING WHITE LAMINATE UNLESS OTHERWISE NOTED. ALL SOLID SURFACE EDGES TO HAVE AN EASED EDGE.</p> <p>J. AT ROOMS WITH EXPOSED CEILING, PAINT WALLS TO UNDERSIDE OF STRUCTURE ABOVE. PAINT EXPOSED STRUCTURAL MEMBERS.</p> <p>K. AT GYPSUM BOARD CEILINGS, PROVIDE FACTORY FINISH STANDARD CHROME SEMI-RECESSED SPRINKLER HEAD COVERS TO MATCH COLOR OF ADJACENT CEILING FINISH, AS SCHEDULED.</p> <p>L. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER/SUBCONTRACTOR PER MANUFACTURER'S INSTRUCTIONS. USE MANUFACTURER'S APPROVED ADHESIVES AND SEAM SEALERS.</p> <p>M. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE NOTED.</p> <p>N. PROVIDE 7'-0" TALL 18 GA., TYPE 304 - SATIN FINISH, STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED INTERIOR WALL CORNERS. CORNER GUARDS TO BE 1-1/2" WIDE AND SELF ADHERED.</p>																																																																																																																										
FINISH SPECIFICATIONS:					GENERAL NOTES FINISH PLAN:																																																																																																																																									
<p>STAIR NOSING PRECAST CONCRETE</p> <p>PT-1 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: OC-131, WHITE DOWN FINISH: SATIN</p> <p>PT-2 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: 2065-30 BLUEBERRY FINISH: SATIN</p> <p>PT-3 (PAINT) MANUFACTURER: BENJAMIN MOORE COLOR: 2112-10, MINK FINISH: SEMIGLOSS</p> <p>LAM-1 (LAMINATE) MANUFACTURER: WILSONART COLOR: MONTANA WALNUT, #7110K-78</p> <p>LAM-2 (LAMINATE) PROVIDE STANDARD WHITE LAMINATE. SUBMIT TO ARCHITECT FOR APPROVAL.</p> <p>LAM-3 (LAMINATE) MANUFACTURER: WILSONART COLOR: PERPERSUD, #D227-60 TRIM: E.B. BRADLY CO. MOD #: FUTM-91BA & FUTM-81BA (SUPPLY AT ALL WALL MOUNTED AREAS)</p> <p>SS-1 (SOLID SURFACE) MANUFACTURER: CAMBRIA COLOR: SNOWDON WHITE</p> <p>BS-1 (BACKSPLASH) MANUFACTURER: CROSSVILLE STYLE: EBB & FLOW STICKS AND STONES - LINEAR MIXED MOSAICS COLOR: EF07 / 1MIXMOS GROUT: TEC, POWER GROUT, COLOR #994, DARK WALNUT.</p> <p>VEEN-1 (VENEER) MANUFACTURER: MARSHFIELD SPECIES: WALNUT VENeer CUT: PLAIN SLICED FINISH: CLEAR</p> <p>CONC-1 POLISHED CONCRETE (LIGHT SAND & PENETRATING SEALER)</p> <p>CONC-2 SEALED CONCRETE</p> <p>CONC-3 SMOOTH SLAB ON GRADE.</p> <p>PCONC-1 POLISHED CONCRETE</p> <p>T-1 (TILE) MANUFACTURER: CROSSVILLE ITEM: MARBLE/MONOLITHIC PORCELAIN STONE COLOR NAME: AV233, CAMEL UPS SIZE: 6" X 16" INSTALLATION: BRICK PATTERN GROUT: 1/8" JOINT: TEC, POWER GROUT, COLOR # 915 LIGHT SMOKE</p> <p>T-2 (TILE) MANUFACTURER: COLOR NAME: SIZE: INSTALLATION: GROUT:</p> <p>NOTE: ALL FINISH MANUFACTURERS SPECIFIED ARE "BASIS OF DESIGN." PRIOR TO BIDDING, SUBMIT "FOR EQUAL" PRODUCTS TO ARCHITECT FOR REVIEW/ APPROVAL.</p>					<p>A. REFER TO ARCHITECTURAL FLOOR, ELEVATION AND FINISH PLANS.</p> <p>B. ALL TILE TO BE INSTALLED PER RECOMMENDATIONS ESTABLISHED BY THE TILE COUNCIL OF NORTH AMERICA.</p> <p>C. UNLESS NOTED OTHERWISE, CASEWORK TO BE CONSTRUCTED AS FOLLOWS: VERTICAL ELEMENTS TO BE 3/4" MDF w/ MELAMINE FINISH (INTERIOR) & PLASTIC LAMINATE FINISH (EXTERIOR). DOORS/DRAWERS (ALL SURFACES) TO BE 3/4" MDF w/ PLASTIC LAMINATE FINISHES. HORIZONTAL ELEMENTS TO BE 3/4" PLYWOOD CONSTRUCTION w/ MELAMINE FINISH (INTERIOR). LAM-1 AT COUNTERTOPS, INCLUDING BACKSPLASHES, J.N.O. PROVIDE MIN. 3MM EDGE BANDING. REFER TO ELEVATIONS FOR MILLWORK FINISH LOCATIONS.</p> <p>D. PROVIDE CONTROL JOINTS AT TRANSITION BETWEEN WALL AND GYP BOARD SOFFIT.</p> <p>E. PROVIDE FULL MANUFACTURER'S STANDARD COLOR SAMPLES TO ARCHITECT FOR APPROVAL FOR THE FOLLOWING ITEMS: MISCELLANEOUS METALS, FIRE EXTINGUISHER CABINETS, CABINET UNIT HEATERS, ELECTRICAL PANELS, ACCESS PANELS LOCATED IN GYP BOARD CEILINGS.</p> <p>F. PROVIDE A THIN, CLEAR, SILICONE BEAD (1/8") AT PERIMETER OF ALL DOOR FRAMES AND BROWSED GLASS LITES AFTER INSTALLATION OF SCHEDULED WALL COVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN, PAINTABLE SILICONE BEAD (1/8") AT PERIMETER PRIOR TO PAINTING, ONLY WHERE THE FRAME DOES NOT MEET THE WALL.</p> <p>G. PROVIDE OWNER'S STOCK IN THE FLOWING QUANTITIES: "CERAMIC TILE/POGLAN TILE 1/2 CARTON OF EACH TYPE AND COLOR OF TILE SPECIFIED ACOUSTICAL CEILING TILE- 100 SQUARE FEET OF EACH TYPE OF ACOUSTICAL UNIT SPECIFIED, PLUS 20 LINEAL FEET OF EXPOSED SUSPENSION SYSTEM COMPONENTS. PAINT: 1 GALLON OF EACH COLOR.</p> <p>H. PROVIDE SHOWER CURTAIN AT ADA SHOWER. PROVIDE DOOR AT ALL OTHER SHOWERS.</p> <p>I. WINDOW SILLS TO RECEIVE SOLID SURFACING WHITE LAMINATE UNLESS OTHERWISE NOTED. ALL SOLID SURFACE EDGES TO HAVE AN EASED EDGE.</p> <p>J. AT ROOMS WITH EXPOSED CEILING, PAINT WALLS TO UNDERSIDE OF STRUCTURE ABOVE. PAINT EXPOSED STRUCTURAL MEMBERS.</p> <p>K. AT GYPSUM BOARD CEILINGS, PROVIDE FACTORY FINISH STANDARD CHROME SEMI-RECESSED SPRINKLER HEAD COVERS TO MATCH COLOR OF ADJACENT CEILING FINISH, AS SCHEDULED.</p> <p>L. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER/SUBCONTRACTOR PER MANUFACTURER'S INSTRUCTIONS. USE MANUFACTURER'S APPROVED ADHESIVES AND SEAM SEALERS.</p> <p>M. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE NOTED.</p> <p>N. PROVIDE 7'-0" TALL 18 GA., TYPE 304 - SATIN FINISH, STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED INTERIOR WALL CORNERS. CORNER GUARDS TO BE 1-1/2" WIDE AND SELF ADHERED.</p>																																																																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="12">ROOM FINISH SCHEDULE - 2nd floor</th> </tr> <tr> <th rowspan="2">LEVEL</th> <th rowspan="2">NO.</th> <th rowspan="2">NAME</th> <th colspan="2">FLOOR</th> <th colspan="4">WALLS</th> <th colspan="2">CEILING</th> <th rowspan="2">NOTES</th> </tr> <tr> <th>FINISH</th> <th>BASE</th> <th>NORTH MATERIAL</th> <th>NORTH FINISH</th> <th>EAST MATERIAL</th> <th>EAST FINISH</th> <th>SOUTH MATERIAL</th> <th>SOUTH FINISH</th> <th>WEST MATERIAL</th> <th>WEST FINISH</th> </tr> </thead> <tbody> <tr> <td>2ND FLOOR</td> <td>200</td> <td>STAIR</td> <td>PCONC-1</td> <td>T-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>-</td> </tr> <tr> <td>2ND FLOOR</td> <td>201</td> <td>JAN</td> <td>PCONC-1</td> <td>T-2</td> <td>GYPB</td> <td>T-2 @ 5'-0" EPOXY ABOVE</td> <td>GYPB</td> <td>T-2 @ 5'-0" EPOXY ABOVE</td> <td>GYPB</td> <td>EPOXY</td> <td>GYPB</td> <td>PT-1</td> </tr> <tr> <td>2ND FLOOR</td> <td>202</td> <td>RESTROOM</td> <td>PCONC-1</td> <td>T-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>1</td> </tr> <tr> <td>2ND FLOOR</td> <td>203</td> <td>FITNESS</td> <td>RUBBER</td> <td>T-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>-</td> </tr> <tr> <td>2ND FLOOR</td> <td>204</td> <td>DAYROOM</td> <td>PCONC-1</td> <td>T-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>-</td> </tr> <tr> <td>2ND FLOOR</td> <td>205</td> <td>KITCHEN/DINING</td> <td>PCONC-1</td> <td>T-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>4</td> </tr> <tr> <td>2ND FLOOR</td> <td>206</td> <td>PANTRY</td> <td>PCONC-1</td> <td>T-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>-</td> </tr> <tr> <td>2ND FLOOR</td> <td>207</td> <td>POLE</td> <td>PCONC-1</td> <td>T-1</td> <td>GYPB</td> <td>PT-1</td> <td>CMU</td> <td>PT-1</td> <td>GYPB</td> <td>PT-1</td> <td>GYPB</td> <td>-</td> </tr> </tbody> </table>					ROOM FINISH SCHEDULE - 2nd floor												LEVEL	NO.	NAME	FLOOR		WALLS				CEILING		NOTES	FINISH	BASE	NORTH MATERIAL	NORTH FINISH	EAST MATERIAL	EAST FINISH	SOUTH MATERIAL	SOUTH FINISH	WEST MATERIAL	WEST FINISH	2ND FLOOR	200	STAIR	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-	2ND FLOOR	201	JAN	PCONC-1	T-2	GYPB	T-2 @ 5'-0" EPOXY ABOVE	GYPB	T-2 @ 5'-0" EPOXY ABOVE	GYPB	EPOXY	GYPB	PT-1	2ND FLOOR	202	RESTROOM	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	1	2ND FLOOR	203	FITNESS	RUBBER	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-	2ND FLOOR	204	DAYROOM	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-	2ND FLOOR	205	KITCHEN/DINING	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	4	2ND FLOOR	206	PANTRY	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-	2ND FLOOR	207	POLE	PCONC-1	T-1	GYPB	PT-1	CMU	PT-1	GYPB	PT-1	GYPB	-
ROOM FINISH SCHEDULE - 2nd floor																																																																																																																																														
LEVEL	NO.	NAME	FLOOR		WALLS				CEILING		NOTES																																																																																																																																			
			FINISH	BASE	NORTH MATERIAL	NORTH FINISH	EAST MATERIAL	EAST FINISH	SOUTH MATERIAL	SOUTH FINISH		WEST MATERIAL	WEST FINISH																																																																																																																																	
2ND FLOOR	200	STAIR	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-																																																																																																																																		
2ND FLOOR	201	JAN	PCONC-1	T-2	GYPB	T-2 @ 5'-0" EPOXY ABOVE	GYPB	T-2 @ 5'-0" EPOXY ABOVE	GYPB	EPOXY	GYPB	PT-1																																																																																																																																		
2ND FLOOR	202	RESTROOM	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	1																																																																																																																																		
2ND FLOOR	203	FITNESS	RUBBER	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-																																																																																																																																		
2ND FLOOR	204	DAYROOM	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-																																																																																																																																		
2ND FLOOR	205	KITCHEN/DINING	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	4																																																																																																																																		
2ND FLOOR	206	PANTRY	PCONC-1	T-1	GYPB	PT-1	GYPB	PT-1	GYPB	PT-1	GYPB	-																																																																																																																																		
2ND FLOOR	207	POLE	PCONC-1	T-1	GYPB	PT-1	CMU	PT-1	GYPB	PT-1	GYPB	-																																																																																																																																		
<p style="text-align: center;">ROOM FINISH NOTES</p> <ol style="list-style-type: none"> 1. BATHROOM BACKSPLASH - TILE 2. CALKED CMU BASE AT EPOXY PAINT 3. METAL GRATING 4. KITCHEN BACKSPLASH - SS 																																																																																																																																														
KEY NOTES: #																																																																																																																																														
1. XXX																																																																																																																																														
2. 2ND FLOOR FINISH PLAN																																																																																																																																														
3. ID101																																																																																																																																														
4. 01.29.16																																																																																																																																														

ARCHITECT:

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208

Boise, ID 83702 | (208) 345-3820

TCA

architecture • planning

TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK DATE DESCRIPTION

PROJECT PHASE 75% CD's

PROJECT NUMBER 15-28

PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

DESIGN B. Harris/R. TeBeau

DRAWN BY Author

SHEET NAME:

2ND FLOOR FINISH PLAN

SHEET NUMBER:

ID101

01.29.16

FOUNDATION

1. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORTS AND SUPPLEMENTS/ADDENDUMS. COPIES OF THE REPORTS AND SUPPLEMENTAL LETTERS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

REPORT/ADDENDUM TITLE	PREPARED BY	DATE
GEOTECHNICAL ENGINEERING EVALUATION	STRATA	7/27/15

2. SPREAD OR CONTINUOUS FOOTINGS:

ANTICIPATED BEARING MATERIAL	ALLOWABLE BEARING CAPACITY
PROOF-ROLLED SANDY SILT, CLAYEY SAND, OR GRANULAR SOIL IMPROVEMENTS AS PRESENTED IN GEOTEC REPORT	2,000 PSF

- PROVIDE DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER AND/OR SEEPAGE AS NECESSARY.
- EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE INSPECTOR OR GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING.
- DO NOT BACKFILL BEHIND FREE STANDING RETAINING WALLS UNTIL CONCRETE WALL HAS ATTAINED FULL DESIGN STRENGTH.
- DO NOT BACKFILL BEHIND BASEMENT WALLS UNTIL THE SUPPORTING FLOOR SLAB HAS ATTAINED FULL DESIGN STRENGTH.
- REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. NEW FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPAKTED BACKFILL.

OPEN WEB STEEL JOISTS:

- DESIGN, DETAILING, FABRICATION, AND ERECTION OF OPEN-WEB STEEL JOISTS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DESIGN SHALL COMPLY WITH THE CURRENT BUILDING CODE AND WITH LOADS SHOWN ON THE GENERAL NOTES AND ON SHEET S1.02 & S1.03.
- SHOP DRAWINGS (STAMPED AND SIGNED BY A LICENSED STRUCTURAL OR CIVIL ENGINEER IN THE STATE OF IDAHO) AND CALCULATIONS FOR OPEN-WEB STEEL JOISTS SHALL BE SUBMITTED FOR APPROVAL TO THE ARCHITECT OR STRUCTURAL ENGINEER PRIOR TO FABRICATION.
- NON-COMPOSITE LONGSPAN STEEL JOISTS, NOTED AS TYPE "LH", SHALL COMPLY WITH SJI-LHD/LH-2010 STANDARD SPECIFICATION FOR LONGSPAN STEEL JOISTS, 2010. DO NOT CAMBER NON-COMPOSITE STEEL JOISTS.
- MAXIMUM BEARING SEAT DEPTH FOR ALL OPEN WEB STEEL JOISTS IS 5".


DESIGN INFORMATION:

1. FLOOR LIVE LOADS:

FITNESS ROOM	100 PSF (NOT REDUCIBLE)
KITCHEN AND DAY ROOM AREA	50 PSF (REDUCIBLE)

2. ROOF LIVE LOADS:

ROOF	20 PSF (REDUCIBLE)
------	--------------------

3. ROOF SNOW LOAD DATA:

GROUND SNOW LOAD, $P_g = 20$ PSF
FLAT ROOF SNOW LOAD, $P_f = 14$ PSF
MINIMUM SNOW LOAD, $P_m = 25$ PSF
SNOW LOAD EXPOSURE FACTOR, $C_e = 0.9$
THERMAL FACTOR, $C_t = 1.0$
SNOW LOAD IMPORTANCE FACTOR, $I_s = 1.10$

4. WIND DESIGN DATA (2012 IBC SECTION 1603.1.4):

WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609 OF THE CODE.

WIND SPEED, $V_{ULT} = 120$ MPH (3-SECOND GUST)

EXPOSURE C

RISK CATEGORY IV

COMPONENTS & CLADDING WIND PRESSURES (PSF)			
LOCATION	COMPONENT TRIBUTARY AREA (SQ FT)		
	10	100	500
ROOF	ZONE 1		
	ZONE 2		
	ZONE 3		
WALLS	ZONE 4		
	ZONE 5		
PARAPETS	ZONE 4		
	ZONE 5		

5. EARTHQUAKE DESIGN DATA (2012 IBC SECTION 1603.1.5):

SITE AND OCCUPANCY PARAMETERS	
SEISMIC IMPORTANCE FACTOR	$I = 1.5$
RISK CATEGORY	IV
MAPPED SPECTRAL RESPONSE ACCELERATIONS:	$S_s = 0.304$
	$S_1 = 0.105$
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS:	$S_{DS} = 0.316$
	$S_{D1} = 0.166$
SEISMIC DESIGN CATEGORY	D

BUILDING PARAMETERS	
BASIC SEISMIC FORCE RESISTING SYSTEM	ORDINARY CONCENTRICALLY BRACE FRAME/SPECIAL REINFORCED MASONRY SHEARWALL
DESIGN BASE SHEAR	
SEISMIC RESPONSE COEFFICIENTS	$C_s = 0.15$
RESPONSE MODIFICATION FACTOR	$R = 3.25$
SYSTEM OVERSTRENGTH FACTOR	$\Omega_o = 2.5$
DEFLECTION AMPLIFICATION FACTOR	$C_d = 3.25$
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7-10 SECTION 12.8)
BASE ELEVATION	

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL NOT BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

2. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO START OF CONSTRUCTION SO THAT CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.

3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRIORITY OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.

4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:

2012 INTERNATIONAL BUILDING CODE, PART 2, VOLUME 2 OF 2, AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE CITY OF MERIDIAN DEPARTMENT OF BUILDING SERVICES, THE STATE OF IDAHO DIVISION OF BUILDING SAFETY, AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.

5. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:

A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED

B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS UNLESS NOTED AND/OR DETAILED ON THE STRUCTURAL DRAWINGS

C. SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGE IN LEVEL, CHAMfers, GROOVES, INSERTS, ETC

D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN

E. FLOOR AND ROOF FINISHES

F. MISCELLANEOUS DRAINAGE AND WATERPROOFING

G. ALL FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL

H. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS

6. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:

A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.

B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.

C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.

D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.

7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT ETC. THE CONTRACTOR IS RESPONSIBLE FOR PROVISION OF TEMPORARY SHORING AND OTHER CONSTRUCTION AIDS, INCLUDING ALL ENGINEERING OF SUCH SYSTEMS, FOR TEMPORARY SUPPORT OF NEW AND/OR EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR ERECTION AND OTHER CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION (UNO). OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

8. THE CONTRACT STRUCTURAL DRAWINGS SHOW THE BUILDING IN ITS FINAL INTENDED POSITION. CONTRACTOR SHALL MAKE PROVISIONS IN THE CONSTRUCTION SEQUENCING OF THE BUILDING TO TAKE INTO ACCOUNTS SHRINKAGE, CREEP, SHORTENING, ETC.

9. FOR PIPES AND CONDUITS PENETRATING THROUGH OR EMBEDDED IN CONCRETE/CMU OR SLEEVED THROUGH CONCRETE/CMU, REFER TO THE CONCRETE/CMU GENERAL NOTES.

10. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE THE VERSION REFERENCED IN CHAPTER 35 OF THE CODE OR AS REFERENCED IN THE APPLICABLE DESIGN STANDARD.

11. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESPPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER AND GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

12. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. THE CONTRACTOR TO DESIGN AND PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.

13. FOR PROJECTS REQUIRING SHORING FOR SOIL EXCAVATION:

a. THE CONTRACTOR SHALL VERIFY THE EXTENT AND LOCATIONS OF SITE UTILITIES PRIOR TO EXCAVATION OR SHORING. SINCE THE SURVEY WAS BASED PRIMARILY ON PUBLIC RECORDS, THERE MAY BE DISCREPANCIES BETWEEN THE LOCATION INDICATED ON THE SITE SURVEY AND ACTUAL VERIFIED LOCATIONS. IF THE ACTUAL FIELD VERIFIED LOCATION OF UTILITIES COULD RESULT IN A CONFLICT WITH THE SHORING, THE EOR FOR SHORING SHALL BE NOTIFIED IMMEDIATELY.

b. HEAVY EQUIPMENT, CRANES AND MATERIAL STOCKPILES SHALL NOT BE LOCATED ON OR ADJACENT TO SHORING UNLESS REVIEWED BY THE EOR FOR SHORING, AND APPROVED BY OSHPD.

c. CONTRACTOR SHALL COORDINATE SHORING WITH DRAWINGS OF RECORD TO INSURE PROVISIONS FOR POCKETS, BLOCKOUTS, OFFSETS, STEPPED FOOTINGS AND ANY OTHER ITEMS AFFECTED BY THE SHORING

d. STOCK PILING OR STORAGE OF MATERIAL ON OR NEAR SHORING BULKHEAD IS NOT PERMITTED.

14. WHERE NOT SHOWN ON THE DRAWINGS, CONTRACTOR TO PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. BRACED SHORING DESIGN EMPLOYING TIE-BACK ANCHORS, WHEN USED, SHALL BE SUBMITTED TO SEOR FOR REVIEW AND APPROVAL.

16. SLABS ON GRADE SHOWN ON THESE DRAWINGS ARE NOT DESIGNED AS STRUCTURAL DIAPHRAGMS.

17. EDGE OF SLAB DIMENSIONS TO BE COORDINATED AND VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO FABRICATION.

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208

Boise, ID 83702 | (208) 345-1800

T C A
architecture • planning

TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf
412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:

City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE | 75% CD

PROJECT NUMBER | 114747.2

PROJECT MANAGER | R. TeBeau

PROJECT ARCHITECT | R. TeBeau

DESIGN | B. Harris/R. TeBeau

DRAWN BY | Author

SHEET NAME:

GERNAL STRUCTURAL NOTES

SHEET NUMBER:

S001

MASONRY

1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1-11) PUBLISHED BY THE MASONRY SOCIETY, AMERICAN CONCRETE INSTITUTE, AND THE AMERICAN SOCIETY OF CIVIL ENGINEERS, AND WITH CHAPTER 21 OF THE CODE. CONCRETE BLOCKS SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90, GRADE N. MEDIUM WEIGHT UNITS.

2. CONCRETE MASONRY UNITS SHALL MEET THE FOLLOWING REQUIREMENTS:

WALL DESIGN STRENGTH	NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS
f'm = 1,500 PSI	1,900 PSI MIN

- A
3. TYPICAL PORTLAND CEMENT SHALL CONFORM TO ASTM C150. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.
4. REINFORCING BARS - SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.
5. MORTAR SHALL CONFORM TO ASTM C270 AND SECTION 2103A.9 OF THE CODE AND HAVE THE FOLLOWING PROPERTIES AND STRENGTHS:

WALL DESIGN STRENGTH	MORTAR TYPE	MORTAR 28 DAY COMPRESSIVE STRENGTH
f'm = 1,500 PSI	S	1,800 PSI MIN

SEE NOTES UNDER "TEST AND INSPECTION REQUIREMENTS" FOR TESTING REQUIREMENTS.

6. GROUT SHALL COMPLY WITH SECTION 2103.13 OF THE CODE AND ASTM C476. GROUT SHALL MEET THE FOLLOWING REQUIREMENTS:

WALL DESIGN STRENGTH	COMPRESSIVE STRENGTH
f'm = 1,500 PSI	2,000 PSI MIN

SEE NOTES UNDER "TEST AND INSPECTION REQUIREMENTS" FOR TESTING REQUIREMENTS.

7. MORTAR AND GROUT COMPONENTS SHALL CONFORM WITH THE FOLLOWING:

SAND	ASTM C144
LIME	ASTM C207
PORTLAND CEMENT	ASTM C150, TYPE I OR II, LOW ALKALI, < 6 MONTHS OLD
PEA GRAVEL	ASTM C30

8. ADMIXTURES SHALL NOT BE USED IN GROUT EXCEPT BY SPECIFIC CONSENT OF SEOR. SEE NOTES UNDER "TEST AND INSPECTION REQUIREMENTS" FOR TESTING REQUIREMENTS.

9. PROVIDE A MINIMUM OF 1/2" CLEAR BETWEEN MAIN REINFORCING AND MASONRY UNITS.

10. DESIGN f'm = 1500 PSI FOR CMU CONSTRUCTION. TYPICAL PRISM TESTING SHALL BE PERFORMED AS PER THE REQUIREMENTS OF PROJECT SPECIFICATIONS AND THE CODE, SECTION 2105.2.2.2. SEE ALSO NOTES UNDER "TEST AND INSPECTION REQUIREMENTS" FOR REQUIREMENTS.

11. USE RUNNING BOND PATTERN UNO BY ARCHITECT. USE OPEN ENDED UNITS FOR STACKED BOND PATTERN.

12. USE OF HIGH-LIFT GROUT CONSTRUCTION IS SUBJECT TO APPROVAL BY SEOR. HIGH-LIFT GROUTING SHALL CONFORM TO SECTION 2104.5.1.2.1.2 OF THE CODE. CONTRACTOR SHALL SUBMIT A HIGH LIFT GROUTING PROCEDURE DEMONSTRATING CONFORMANCE TO THE ABOVE MENTIONED CODE SECTION FOR REVIEW BY SEOR.

13. PIPES EMBEDDED IN CMU:

- A. CMU: PIPES SHALL NOT BE EMBEDDED IN CMU EXCEPT WHERE SPECIFICALLY DETAILED. CONDUITS MAY BE EMBEDDED WHERE THE FOLLOWING IS TRUE:
 a. CONDUITS ARE < 3/4" IN DIAMETER.
 b. CONDUITS ARE NOT PLACED IN A CELL WITH REINFORCEMENT.
 c. CONDUITS ARE A MINIMUM OF 24" FROM JAMB/END REINFORCEMENT.
 d. CELLS WITH CONDUITS ARE SPACED 32" OC MIN.
 e. (2) MAX PER UNREINFORCED CELL, 3 DIAMETERS (MIN) O.C.
 f. CONDUITS ARE VERTICAL.

STEEL DECK

1. ROOF AND FLOOR DECK SHALL BE AS NOTED ON THE DRAWINGS.

2. DECK SHOP DRAWINGS, INCLUDING HEADED STUD LAYOUT, SHALL BE SUBMITTED TO THE SEOR FOR APPROVAL PRIOR TO FABRICATION.

3. DESIGN OF ALL STEEL DECK AND COMPOSITE SLABS ON STEEL DECK SHALL BE IN ACCORDANCE WITH SECTION 2210 OF THE CODE.

4. THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" SHALL GOVERN THE DESIGN OF ALL DECK UNITS. ALL STEEL DECK, CLOSURES AND FLASHINGS SHALL CONFORM TO ASTM A653 SS OR ASTM A1063 SS.

5. STEEL DECK MANUFACTURER SHALL BE VERO MANUFACTURING, INC. ALLOWABLE LOADS FOR DECK PRODUCTS ARE DETERMINED FROM THE VERO DECK CATALOG, IAPMO ES 0217. ALTERNATIVE EQUAL DECK

PRODUCTS MAY BE CONSIDERED BUT ARE SUBJECT TO REVIEW AND APPROVAL BY SEOR.

6. UNITS SHALL BE CONTINUOUS OVER THREE OR MORE SPANS, EXCEPT WHERE THE FRAMING DOES NOT PERMIT. SHORING MAY BE REQUIRED AT NON-CONTINUOUS SPANS. DECK SHOP DRAWINGS SHALL INDICATE WHERE SHORING WILL BE REQUIRED. DECK SHALL BEAR 2" MINIMUM AT ALL SUPPORTS.

7. ALL WELDING OF STEEL DECK SHALL BE DONE BY CERTIFIED LIGHT GAGE WELDERS IN ACCORDANCE WITH "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES", AWS D1.3-08.

8. UNITS SHALL BE FASTENED TO THE STEEL SUPPORTS AT THE ENDS OF UNITS, AT INTERMEDIATE SUPPORTS AND TO STEEL SUPPORTS AT SIDE BOUNDARIES, WHERE NOT SPECIFICALLY NOTED IN DRAWINGS. FASTEN DECK USING 3/4" DIAMETER PUNCHED WELDS AT 1'-0" O.C. MAX. SHEAR STUDS WELDED THROUGH DECK MAY BE USED IN PLACE OF 3/4" DIAMETER PUNCHED WELDS.

9. FOR COMPOSITE SLABS CONSISTING OF CONCRETE FILL OVER STEEL DECK, THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BETWEEN SUPPORTS BY BUTTON PUNCHING AT 36" O.C. MAX, OR PER SPACING INDICATED IN DECK SCHEDULE, WHICHEVER IS LESS. CONTRACTOR MAY DECREASE SPACING OF SIDE LAP ATTACHMENTS TO ACCOMMODATE CONSTRUCTION LOADING AS REQUIRED.

10. FOR BARE STEEL DECK, SIDE LAP CONNECTIONS FOR ADJACENT UNITS SHALL BE AS INDICATED IN DECK SCHEDULE, WHERE NOT SPECIFICALLY NOTED IN DRAWINGS. FASTEN BARE STEEL DECK USING TOP-SEAM WELDS AT 24" O.C. MAX.

11. PROVIDE FLASHING AND CLOSURE PLATES AT ENDS OF ALL UNITS, AROUND COLUMNS, AND AT ALL PERIMETER LOCATIONS REQUIRING CONCRETE.

12. ALL DECKS USED FOR COMPOSITE SLABS CONSISTING OF CONCRETE FILL OVER STEEL DECK SHALL HAVE VENT TABS FOR CONCRETE VENTILATION, UNO. ALL BARE STEEL DECKS SHALL BE A NON-VENTED TYPE, UNO.

13. ALL STEEL DECK SHALL BE GALVANIZED.

14. ALL SHORING OF STEEL DECK SHALL BE PER MANUFACTURER'S RECOMMENDATIONS, UNO.

REINFORCING STEEL (CONT.)

12. CONCRETE PROTECTION FOR REINFORCEMENT

THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE (NON-PRESTRESSED):

CONDITION OF CONCRETE	BAR SIZE	MINIMUM CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	ALL	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	#6 & LARGER	2"
	#5 & SMALLER	1 1/2"
SLABS, WALLS, & JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH SOIL	#14 & LARGER	1 1/2"
	#11 AND SMALLER	3/4"
BEAMS & COLUMN TIES & STIRRUPS NOT EXPOSED TO WEATHER OR IN CONTACT WITH SOIL	ALL	1 1/2"

13. MECHANICAL BAR SPLICE CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-11 SECTION 12.14.3. USE OF MECHANICAL CONNECTIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. SPLICES MUST BE TESTED AS INDICATED IN THE CONCRETE REINFORCEMENT SPECIFICATION.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH AISC 360-10 AND CHAPTER 22 OF THE CODE.

2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

W SHAPES, WT SHAPES	A992
ANGLES, CHANNELS	A36
PLATES (AS NOTED ON DRAWINGS)	A36
SIMPLE SHEAR TAB CONNECTION PLATES (AS NOTED ON DRAWINGS)	A36
PIPE COLUMNS	A53, GR B
HSS SECTIONS	A500, GR B
HIGH STRENGTH BOLTS (AS NOTED ON DRAWINGS)	A325/F1852, A490/F2280
ANCHOR RODS (AS NOTED ON DRAWINGS)	F1554 GR36/55/105 A354 GR BD
COMMON/MACHINE BOLTS	A307 GR A

3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR REVIEW AND APPROVAL BY THE AOR AND SEOR PRIOR TO FABRICATION.

4. BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.

5. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED EXCEPT AS REQUIRED FOR DESIGNATION OF PROTECTED ZONES.

6. PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED TO REINFORCED CONCRETE/MASONRY USING POST-INSTALLED ANCHORS, CONTRACTOR SHALL LOCATE ALL REINFORCEMENT AND CONFIRM CONSTRUCTABILITY OF ANCHOR LOCATIONS. SHOULD CONFLICTS WITH REINFORCEMENT OCCUR, CONTRACTOR SHALL COORDINATE AND SUBMIT ALTERNATE ANCHOR LOCATIONS AND REVISED STEEL FABRICATIONS TO SEOR FOR REVIEW AND APPROVAL. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.

7. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION, UNLESS CALLED OUT TO BE PAINTED ON THE CONSTRUCTION DOCUMENTS. PROTECT FIELD WELDS EXPOSED TO THE WEATHER VIA PRIME AND PAINT OR BRUSH / COLD GALVANIZING. REFER TO ARCH DRAWINGS FOR STEEL FINISH.

8. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION AWS D1.1-10 OF THE AMERICAN WELDING SOCIETY. SEE SPECIAL INSPECTION SECTION FOR WELDING INSPECTION REQUIREMENTS. ALL WELDING FOR ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM SHALL BE PER AWS D1.8-09.

9. THE CONTRACTOR SHALL SUBMIT ALL WELDING PROCEDURE SPECIFICATIONS (WPS) FOR REVIEW BY SEOR. THE SUBMITTED WELDING PROCEDURES SHALL INCLUDE ONLY THOSE PROCEDURES RELEVANT TO THIS PROJECT. ALL WELDING PROCEDURES SPECIFIED INTENDED FOR USE AT DEMAND CRITICAL WELDS OF DESIGNATED LATERAL FORCE-RESISTING SYSTEMS SHALL BE IDENTIFIED ON THE WPS. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND PRODUCT/TRADE NAME SHALL BE IDENTIFIED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.

10. ALL WELDING OF DESIGNATED LATERAL FORCE RESISTING SYSTEM MEMBERS (INCLUDING DRAG AND CHORD BEAMS) IS TO BE PERFORMED AND INSPECTED IN ACCORDANCE WITH AISC 341-10 AND AWS D1.8-09, IN ADDITION TO ALL OTHER REQUIREMENTS NOTED IN THIS SECTION.

11. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-10 SECTION J2.2b.

CHARPY V NOTCH (CVN) REQUIREMENTS			
WELD TYPE	MINIMUM ABSORBED ENERGY (FT-LB)	TEMPERATURE (°F)	REFERENCE
ALL WELDS	20	0°	AWS 01.8-09 SECTION 6.3
DEMAND CRITICAL WELDS	40	70°	AISC 341-10 SECTION 4b

13. 100 PERCENT ULTRASONIC TESTING IS REQUIRED FOR ALL COMPLETE JOINT PENETRATION GROOVE WELDS.

14. IF INTERMINGLING OF WELD FILLER MATERIAL IS REQUIRED AT SPECIFIC WELDED JOINTS, AND IF ONE OF THE FILLER METALS IS FC4W-S, SUBMIT A WELDING PROCEDURE SPECIFICATION (WPS) AND QUALIFY BY TESTING.

15. BACKUP BARS FOR STRUCTURAL MEMBERS NOT DESIGNATED AS PART OF THE SEISMIC LATERAL FORCE-RESISTING SYSTEM MAY REMAIN IN PLACE UNLESS NOTED IN DRAWINGS, OR WHEN ULTRASONIC TESTING INDICATES A POSSIBLE WELD DEFECT. IF DEFECTS ARE INDICATED BACKUP BARS ARE TO BE REMOVED AND THE ROOT INSPECTED. IF IMPERFECTIONS ARE FOUND, THEY ARE TO BE REMOVED AND REPAVED PER AWS STANDARDS.

16. DISCONTINUITIES IN WELDS CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR ARC GOUGING AND FLAME CUTTING SHALL BE REPAVED AS DETAILED BY THE SEOR.

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19 OF THE CODE AND WITH THE PROVISIONS OF ACI 318-11.

2. CONCRETE MIXES SHALL BE DESIGNED BY A LICENSED CIVIL ENGINEER, VALIDATED BY AN APPROVED TESTING LABORATORY AND REVIEW BY SEOR. THE INTENDED USE AND/OR LOCATION(S) IN STRUCTURE OR SITE SHALL BE NOTED ON ALL MIX DESIGNS. THE COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE PROPORTIONED BASED ON CHAPTER 5 OF ACI 318-11. SCHEDULE OF STRUCTURAL CONCRETE STRENGTHS AND LOCATIONS (UNO):

LOCATION IN STRUCTURE OR SITE	MINIMUM STRENGTH (
-------------------------------	--------------------

SPECIAL INSPECTIONS

SPECIAL INSPECTION SCHEDULE 1,2,3 ESTABLISHED PER 2009 IBC SECTION 110 & CHAPTER 17			
ITEM	CONTINUOUS INSPECTION	PERIODIC INSPECTION	COMMENTS
Soils			Per IBC 1705.6
Adequate materials to achieve design bearing capacity		X	By Geotechnical engineer
Excavation extend to proper depth and material		X	By Geotechnical engineer
Classification and Testing of Compacted Fill		X	By Geotechnical engineer
Subgrade and site preparation prior to placement of fill		X	By Geotechnical engineer
Use of proper materials, densities, and lift thicknesses during placement and compaction of fills.	X		By Geotechnical engineer
Concrete			Per IBC 1705.3
Reinforcing placement		X	
Reinforcing welding	X		
Use of Approved Mix Design		X	
Anchor bolts & inserts		X	
Preparation of test specimens	X		
Concrete placement	X		
Adhesive anchor placement	X		Ref. note 5
Mechanical anchor placement	X		Ref. note 5
Embedded steel items		X	
Curing		X	
Slab on grade		X	Ref. note 13
Structural steel			Ref. note 4
Material verification		X	Ref. note 6
Fabrication & erection		X	Ref. note 7
High strength bolting	X	X	Ref. note 8
Single pass fillet welds ≤5/16"		X	Ref. note 9
All other fillet welds	X		Ref. note 9
Partial/complete penetration weld	X		Ref. note 10
Plug & slot welds	X		Ref. note 9
Other welding			
Welding of anchors and studs		X	
Welding-stairs/railing systems		X	
Metal deck welding		X	
Structural masonry			Ref. note 11
Verify compliance with the approved submittals		X	TMS 602/ACI 530.1/ASCE 6 Art. 1.5
As masonry construction begins, verify that the following are in compliance:			
a. Proportions of site-prepared mortar	X		TMS 602/ACI 530.1/ASCE 6 Art. 2.1, 2.6A
b. Construction of mortar joints	X		TMS 602/ACI 530.1/ASCE 6 Art. 3.3B
c. Location of reinforcement and connectors	X		TMS 602/ACI 530.1/ASCE 6 Art. 3.4, 3.6A
Prior to grouting, verify that the following are in compliance:			
a. Grout space	X		TMS 602/ACI 530.1/ASCE 6 Art. 3.2D, 3.2F
b. Grade, type, and size of reinforcement and anchor bolts	X		TMS 602/ACI 530.1/ASCE 6 Art. 2.4, 3.4 TMS 402/ACI 530/ASCE 5 Sec. 1.16
c. Placement of reinforcement and connectors	X		TMS 602/ACI 530.1/ASCE 6 Art. 3.2E, 3.4, 3.6A TMS 402/ACI 530/ASCE 5 Sec. 1.16
d. Proportions of site-prepared grout	X		TMS 602/ACI 530.1/ASCE 6 Art. 2.6B, 2.4G, 1.b
e. Construction of mortar joints	X		TMS 602/ACI 530.1/ASCE 6 Art. 3.3B
Verify during construction:			
a. Size and location of structural elements	X		TMS 602/ACI 530.1/ASCE 6 Art. 3.3F
b. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	X		TMS 402/ACI 530/ASCE 5 Sec. 1.16.4.3, 1.17.1
c. Welding of reinforcement	X		TMS 402/ACI 530/ASCE 5 Sec. 2.1.7.7.2, 3.3.3.4 (c), 8.3.3.4 (b)
d. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F)	X		TMS 602/ACI 530.1/ASCE 6 Art. 1.8C, 1.8D
Observe preparation of grout specimens, mortar specimens, and/or prisms	X		TMS 602/ACI 530.1/ASCE 6 Art. 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4
Non-Load Bearing Cold Formed Steel			
Exterior wall framing	X		Ref. note 12
Welding	X		Ref. note 9

INSPECTION SCHEDULE NOTES

- THE ITEMS CHECKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO PROJECT SPECIFICATIONS, THE STRUCTURAL NOTES AND THE NOTES BELOW. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. ANY MATERIALS WHICH FAIL TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS. INSPECTION AND TESTING REQUIREMENTS FOR SYSTEMS DESIGNED BY OTHERS SHALL BE DEFINED BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN, EXCEPT THAT THE INSPECTION REQUIREMENTS SHALL NOT BE LESS THAN SPECIFIED IN THIS SCHEDULE.
- SPECIAL INSPECTION IS NOT REQUIRED FOR WORK PERFORMED BY AN APPROVED FABRICATOR PER IBC SECTION 1704.2.5.2.
- CONTINUOUS SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION (IBC 1702). PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE.
- SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE PER IBC 1705.2.1 AND AISC 360-10 CHAPTER N UNLESS NOTED OTHERWISE.
- INSPECTION OF POST-INSTALLED ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE ICC-ES REPORT.
- STRUCTURAL STEEL IDENTIFICATION MARKINGS SHALL CONFORM TO AISC 360, STEEL DECK IDENTIFICATION MARKINGS SHALL CONFORM TO AISC STANDARDS SPECIFIED AND THE MANUFACTURER'S CERTIFIED TEST REPORTS SHALL BE REVIEWED. WELD FILLER MATERIALS SHALL HAVE IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION AND THE MANUFACTURER'S CERTIFICATE OF COMPLIANCE IS REQUIRED.
- INSPECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH IBC SECTION 1705.2. THE STEEL FRAME SHALL BE INSPECTED FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS INCLUDING BRACING, STIFFENING, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
- INSPECTION OF BOLT INSTALLATION FOR PRETENSIONING IS PERMITTED TO BE PERFORMED ON A PERIODIC BASIS WHEN USING THE TURN-OFF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT TENSION INDICATOR METHOD, OR THE ALTERNATE DESIGN FASTENER (TWIST-OFF BOLT) METHOD. JOINTS DESIGNATED AS SNUG TIGHT NEED ONLY PERIODIC INSPECTION. JOINTS DESIGNATED AS SLIP-CRITICAL SHALL HAVE CONTINUOUS INSPECTION OF THE BOLTING AND FAYING SURFACE.
- ALL WELDS SHALL BE VISUALLY INSPECTED.
- ALL COMPLETE PENETRATION WELDS SHALL BE TESTED ULTRASONICALLY OR BY USING ANOTHER APPROVED METHOD.
- SPECIAL INSPECTION FOR REINFORCED MASONRY SHALL BE PER THE LEVEL B SPECIAL INSPECTION REQUIREMENTS IN SECTION 1.19 OF TMS 402-11/ACI 530-11/ASCE 5-11.
- SPECIAL INSPECTION IS REQUIRED FOR ALL COLD-FORMED STEEL FRAMING THAT EITHER SUPPORTS VENEER WEIGHING MORE THAN 5 PSF, OR THAT EXTENDS MORE THAN 30 FEET ABOVE GRADE. INSPECTION SHALL VERIFY THE FASTENING OF THE SYSTEM.
- PERFORM THE FOLLOWING INSPECTIONS ON THE SLABS-ON-GRADE:
 - PERFORM MICROWAVE TEST (ASHTO T-318, WATER CONTENT OF FRESHLY MIXED CONCRETE USING MICROWAVE OVEN) ON SITE TO VERIFY WATER/CEMENT RATIO OF FIRST LOAD OF CONCRETE, FOR EACH CONCRETE PLACEMENT. ADDITIONAL TESTS TO BE PERFORMED EVERY 25 CUBIC YARDS.
 - MOISTURE CONTENT TESTING (PER ASTM D2974) TO BE PERFORMED ON GRANULAR MATERIAL OVERLYING VAPOR RETARDER (TWO MINIMUM). TEST SHALL BE PERFORMED WITHIN 24 HOURS PRIOR TO CONCRETE PLACEMENT.
 - PERFORM AIR, SLUMP, AND TEMPERATURE TESTS OF FRESH CONCRETE;
 - VERIFICATION OF PLACEMENT OF VAPOR RETARDER AND TRIMABLE, COMPACTABLE GRANULAR COARSE; VAPOR RETARDER INSTALLATION MUST BE PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS;
 - REVIEW BATCH TICKETS TO DETERMINE AMOUNT OF WATER IN EACH LOAD OF CONCRETE;
 - VERIFY TYPE AND QUANTITY OF PLASTICIZER;

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

TCA
architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

kpf
412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE | 75% CD

PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	NLP

SHEET NAME:

GERNAL STRUCTURAL NOTES
SHEET NUMBER:

S003

11.09.15

COLD-FORMED STEEL (LIGHT GAGE METAL FRAMING)

1. ALL LIGHT GAGE METAL FRAMING CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 2211A OF THE CODE AND AISI S100-07 "SPECIFICATIONS FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".

2. MEMBER IDENTIFICATION SHALL BE AS SHOWN:

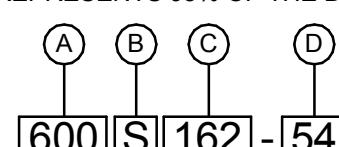
(A) MEMBER DEPTH:
(EXAMPLE: 6" = 600/100 INCHES)
ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCH INCREMENTS. FOR "T" SECTIONS, MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION.

(B) STYLE:
(EXAMPLE: STUD OR JOIST SECTION = "S")
THE FOUR ALPHA CHARACTERS USED TO DESIGNATE THE TYPE OF SECTION ARE:

- S = STUD OR JOIST SECTIONS
- T = TRACK SECTIONS
- U = CHANNEL SECTIONS
- F = FURRING CHANNEL SECTIONS

(C) FLANGE WIDTH:
(EXAMPLE: 1 5/8" = 1.625" = 162/100 INCHES)
ALL MEMBER FLANGE WIDTH ARE TAKEN IN 1/100 INCH INCREMENTS.

(D) MATERIAL THICKNESS:
(EXAMPLE: 0.054" = 54 MIL = 54/1,000 INCHES)
MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.



3. ALL CALCULATED MEMBER PROPERTIES PER AISI SPECIFICATIONS ARE BASED ON THE FOLLOWING THICKNESSES:

MINIMUM THICKNESS	REFERENCE GAGE	DESIGN THICKNESS
33 MIL	20 GA - STRUCTURAL	0.0346"
43 MIL	18 GA	0.0451"
54 MIL	16 GA	0.0566"
68 MIL	14 GA	0.0713"
97 MIL	12 GA	0.1017"
118 MIL	10 GA	0.1242"

4. ALL LIGHT GAGE METAL FRAMING SHALL CONFORM WITH THE FOLLOWING:

GALVANIZED STUDS & TRACKS: ASTM A653 SQ, GR 50
12 (97), 14 (68) OR 16 (54) GAGE (MILS) (Fy = 50,000 PSI)

GALVANIZED STUDS & TRACKS: ASTM A653 SQ, GR 33
18 (43), 20 (33) GAGE (MILS) (Fy = 33,000 PSI)

GALVANIZED BACKING PLATES: ASTM A653 SQ, GR 50
(Fy = 50,000 PSI)

GALVANIZED END CLOSURES, BRIDGING AND ACCESSORIES: ASTM A653 SQ, GR 33
(Fy = 33,000 PSI)

5. ALL LIGHT GAGE METAL FRAMING SHALL BE GALVANIZED.

6. DOUBLE VERTICAL STUDS SHALL BE STITCH WELDED TOGETHER ON BOTH FLANGES WITH 1/16" GROOVE WELDS x 1" LONG AT 12" ON CENTER, U.N.O. ON DRAWINGS.

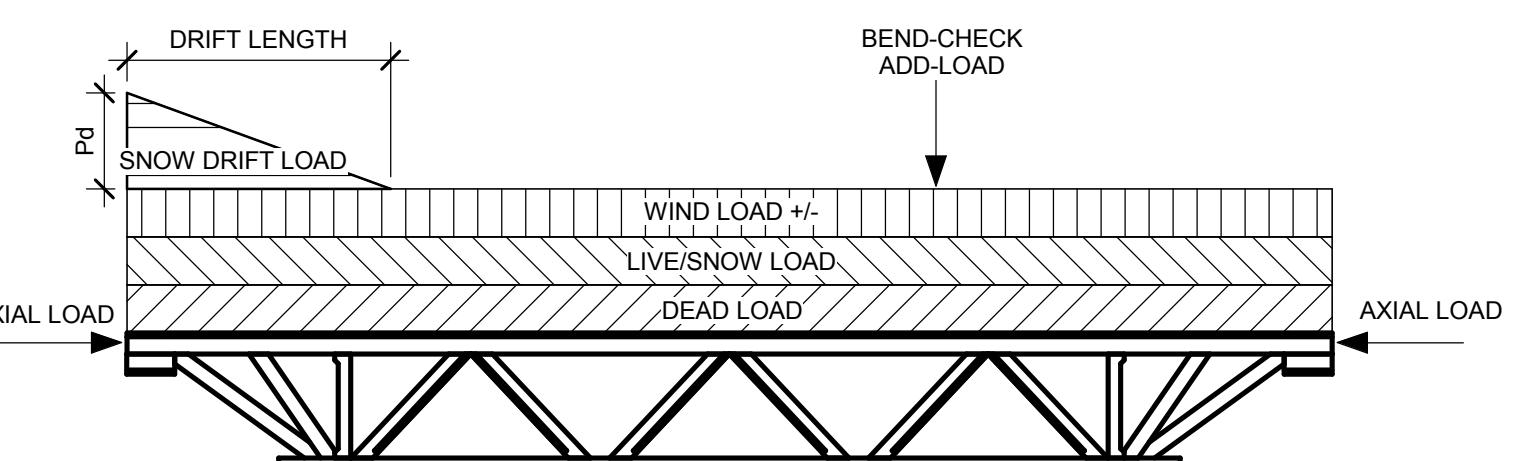
7. TOP AND BOTTOM TRACK GAGE THICKNESS SHALL MATCH THE GAGE THICKNESS OF THE WALL STUDS, U.N.O.

8. ALL SHEET METAL SCREWS SHALL PROTRUDE 1/4" MIN THROUGH METAL FRAMING.

9. THE CONTRACTOR IS PROHIBITED FROM USING TORCHES TO BURN HOLES IN TRACKS OR STUDS.

OPEN WEB STEEL JOISTS:

- DESIGN, DETAILING, FABRICATION, AND ERECTION OF OPEN-WEB STEEL JOISTS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DESIGN SHALL COMPLY WITH THE CURRENT BUILDING CODE AND WITH LOADS SHOWN ON THE GENERAL NOTES AND ON SHEET S1.02 & S1.03.
- WORK DRAWINGS (STAMPED AND SIGNED BY A LICENSED STRUCTURAL OR CIVIL ENGINEER IN THE STATE OF IDAHO) AND CALCULATIONS FOR OPEN-WEB STEEL JOISTS SHALL BE SUBMITTED FOR APPROVAL TO THE ARCHITECT OR STRUCTURAL ENGINEER PRIOR TO FABRICATION.
- NON-COMPOSITE LONGSPAN STEEL JOISTS, NOTED AS TYPE "LH", SHALL COMPLY WITH SJII-L/H/DLH-2010 STANDARD SPECIFICATION FOR LONGSPAN STEEL JOISTS, 2010. DO NOT CAMBER NON-COMPOSITE STEEL JOISTS.
- MAXIMUM BEARING SEAT DEPTH FOR ALL OPEN WEB STEEL JOISTS IS 5".

JOIST SCHEDULE

JOIST DESIGNATION	JOIST DEPTH	DESIGN LOADS, PLF				CONCENTRATED DESIGN LOAD, LB				
		DEAD LOAD ¹	LIVE/SNOW LOAD	P _f PLF	P _d PLF	DRIFT LENGTH	WIND UPLIFT ²	BEND-CHECK ³	ADD-LOAD ⁴	AXIAL ⁵
OWSJ-01	10"	220	175	98	282	9'-6"	197			
OWSJ-01M	10"	220	175	98	282	9'-6"	197	200	400	
OWSJ-02	18"	220	175	98	197	7'-0"	197	200	400	
OWSJ-02M	18"	220	175	98	197	7'-0"	197	200	400	
OWSJ-03	32"	220	175	98	212	7'-6"	275			45,000
OWSJ-03M	32"	220	175	98	212	7'-6"	275	225	225	
OWSJ-04	18"	220	175	98	187	6'-6"	197	100	100	
OWSJ-05	18"	220	175	98	154	5'-0"	197	100	100	

- DEAD LOADS LISTED ARE SUPERIMPOSED LOADS. SELF-WEIGHT OF JOISTS ARE NOT INCLUDED.
- WIND UPLIFT VALUES PROVIDED ARE SERVICE-LEVEL WIND PRESSURES FROM ASCE 7-10, SECTION 30.4. NET UPLIFT SHALL BE DETERMINED USING THE APPROPRIATE LOAD COMBINATIONS OF ASCE 7-10.
- FOR ADD-LOAD, DESIGN JOIST FOR CONCENTRATED LOADS LOCATED AT ANY ONE PANEL POINT ALONG THE JOIST. ADD LOADS SHOULD BE CONSIDERED AS DEAD LOADS.
- FOR BEND-CHECK, DESIGN JOIST TOP CHORD FOR ADDITIONAL BENDING STRESSES RESULTING FROM CONCENTRATED LOADS LOCATED AT ANY LOCATION ALONG CHORD.
- AXIAL LOADS PROVIDED ARE FROM WIND PRESSURE.
- COMBINE FLAT ROOF SNOW LOAD (P_f) AND DRIFT LOAD (P_d). DRIFT LOADS INDICATED SHOULD BE APPLIED TO BOTH ENDS OF JOIST U.N.O.

1. ALL HEADED STUDS WELDED TO BEAMS OR CONCRETE CONNECTIONS SHALL BE TRU-WELD STUDS PER ICC-ESR 2577, OR NELSON STUDS PER ICC-ESR 2856, OR APPROVED EQUAL.
2. ALL HEADED STUDS SHALL BE AUTOMATICALLY END WELDED IN SHOP OR FIELD WITH EQUIPMENT RECOMMENDED BY MANUFACTURER OF STUDS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. WELDING SHALL BE DONE ONLY BY QUALIFIED WELDERS APPROVED BY AN AWS CERTIFIED WELD INSPECTOR.
3. STEEL SHEAR STUD MATERIAL, WELDING AND INSPECTION SHALL BE IN ACCORDANCE WITH "STRUCTURAL WELDING CODE", AWS D1.1-10. ALL STUDS SHALL BE 3/4" DIAMETER X 5' LONG, SPACED AT 12" O.C. MAXIMUM, UNO.

STEEL DECK

- ROOF AND FLOOR DECK SHALL BE AS NOTED ON THE DRAWINGS. MINIMUM PROPERTIES ARE AS FOLLOWS:

DECK PROFILE AND GAGE	I (IN4)	+S(IN3)	-S(IN3)	FY (KSI)
3' x 18GA DECK	1.213	0.752	0.768	50
HSB-36 x 18GA DECK	0.304	0.318	0.331	40

- DESIGN OF ALL STEEL DECK AND COMPOSITE SLABS ON STEEL DECK SHALL BE IN ACCORDANCE WITH SECTION 2210 OF THE CODE.
- THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" SHALL GOVERN THE DESIGN OF ALL DECK UNITS. ALL STEEL DECK, CLOSURES AND FLASHINGS SHALL CONFORM TO ASTM A653 SS OR ASTM A1063 SS.
- UNITS SHALL BE CONTINUOUS OVER THREE OR MORE SPANS, EXCEPT WHERE THE FRAMING DOES NOT PERMIT. SHORING MAY BE REQUIRED AT NON-CONTINUOUS SPANS. DECK SHOP DRAWINGS SHALL INDICATE WHERE SHORING WILL BE REQUIRED. DECK SHALL BEAR A MINIMUM AT ALL SUPPORTS.
- ALL WELDING OF STEEL DECK SHALL BE DONE BY CERTIFIED LIGHT GAGE WELDERS IN ACCORDANCE WITH "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES", AWS D1.3-08.
- FOR COMPOSITE SLABS CONSISTING OF CONCRETE FILL OVER STEEL DECK, THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BETWEEN SUPPORTS BY BUTTON FANCHING AT 36" O.C. MAX. OR PER SPACING INDICATED IN DECK SCHEDULE, WHICHEVER IS LESS. CONTRACTOR MAY DECREASE SPACING OF SIDE LAP ATTACHMENTS TO ACCOMMODATE CONSTRUCTION LOADING AS REQUIRED.
- PROVIDE FLASHING AND CLOSURE PLATES AT ENDS OF ALL UNITS, AROUND COLUMNS, AND AT ALL PERIMETER LOCATIONS REQUIRING CONCRETE.
- ALL DECKS USED FOR COMPOSITE SLABS CONSISTING OF CONCRETE FILL OVER STEEL DECK SHALL HAVE VENT TABS FOR CONCRETE VENTILATION, UNO. ALL BARE STEEL DECKS SHALL BE A NON-VENTED TYPE, UNO.
- ALL STEEL DECK SHALL BE GALVANIZED.
- ALL SHORING OF STEEL DECK SHALL BE PER MANUFACTURER'S RECOMMENDATIONS, UNO.

5 4 3 2 1

11.09.15

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH AISC 360-10 AND CHAPTER 22 OF THE CODE.

2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

W SHAPES, WT SHAPES	A992
ANGLES, CHANNELS	A36
PLATES (UNLESS OTHERWISE NOTED ON DRAWINGS)	A36
PIPE COLUMNS	A53, GR B
HSS SECTIONS	A500, GR B
HIGH STRENGTH BOLTS (AS NOTED ON DRAWINGS)	A325/F1852, A490SC/F2280SC A325SC/F1852SC
ANCHOR RODS (AS NOTED ON DRAWINGS)	F1554 GR36/55/105 A354 GR BD
COMMON/MACHINE BOLTS	A307 GR A

3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR REVIEW AND APPROVAL BY THE AOR AND SEOR PRIOR TO FABRICATION.

4. BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.

5. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCAUSED IN CONCRETE, MASONRY, SPRAY ON FIREPROOFING, OR ARE ENCAUSED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED, EXCEPT AS REQUIRED FOR DESIGNATION OF PROTECTED ZONES.

6. PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED TO REINFORCED CONCRETE USING POST-INSTALLED ANCHORS, CONTRACTOR SHALL LOCATE ALL REINFORCEMENT AND CONFIRM CONSTRUCTABILITY OF ANCHOR LOCATIONS. SHOULD CONFLICTS WITH REINFORCEMENT OCCUR, CONTRACTOR SHALL COORDINATE AND SUBMIT ALTERNATE ANCHOR LOCATIONS AND REVISED STEEL FABRICATIONS TO SEOR FOR REVIEW AND APPROVAL. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.

7. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION, UNLESS CALLED OUT TO BE PAINTED ON THE CONSTRUCTION DOCUMENTS. PROTECT FIELD WELDS EXPOSED TO THE WEATHER VIA PRIME AND PAINT OR BRUSH / COLD GALVANIZING. REFER TO ARCH DRAWINGS FOR STEEL FINISH. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL CONFORM TO THE REQUIREMENTS OF AISC 303-10.

8. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1-10) OF THE AMERICAN WELDING SOCIETY. SEE SPECIAL INSPECTIONS SECTION FOR WELDING INSPECTION REQUIREMENTS. ALL WELDING FOR ELEMENTS OF THE LATENT FORCE RESISTING SYSTEM SHALL PER AWS D1.8-09.

9. THE CONTRACTOR SHALL SUBMIT ALL WELDING PROCEDURE SPECIFICATIONS FOR REVIEW AND APPROVAL BY SEOR. THE SUBMITTED WELDING PROCEDURES SHALL INCLUDE ONLY THOSE PROCEDURES RELEVANT TO THIS PROJECT. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND PRODUCT/TRADE NAME SHALL BE IDENTIFIED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.

10. ALL WELDING OF DESIGNATED LATENT FORCE RESISTING SYSTEM MEMBERS (INCLUDING DRAG AND CHORD BEAMS) IS TO BE PERFORMED AND INSPECTED IN ACCORDANCE WITH AWS D1.8-09, IN ADDITION TO ALL OTHER REQUIREMENTS NOTED IN THIS SECTION.

11. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED, WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-10 SECTION J2.2b.

12. THE USE OF E70-T4 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION.

13. 100 PERCENT ULTRASONIC TESTING IS REQUIRED FOR ALL COMPLETE JOINT PENETRATION GROOVE WELDS.

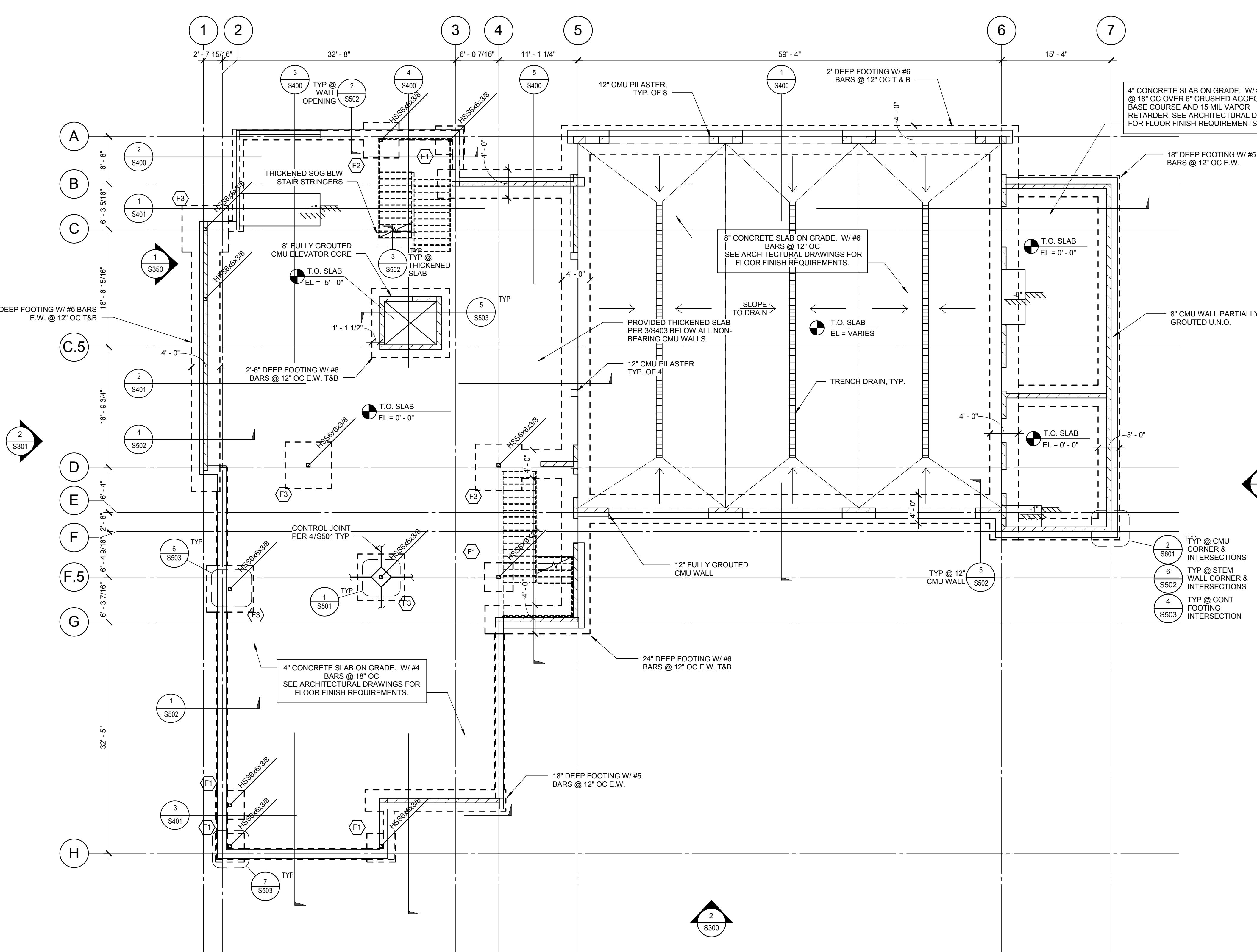
14. IF INTERMINGLING OF WELD FILLER MATERIAL IS REQUIRED AT SPECIFIC WELDED JOINTS, AND IF ONE OF THE FILLER METALS IS FCW-A, SUBMIT A WELDING PROCESS SPECIFICATION (WPS) AND APPROVAL BY TESTING.

15. BACKUP BARS MAY REMAIN IN PLACE UNLESS NOTED ON PLANS, OR WHEN ULTRASONIC TESTING INDICATES A POSSIBLE WELD DEFECT. IF DEFECTS ARE INDICATED BACKUP BAR IS TO BE REMOVED AND THE ROOT INSPECTED. IF IMPERFECTIONS ARE FOUND, THEY ARE TO BE REMOVED BY BACKGOUGING TO SOUND MATERIAL & CLEANED BY GRINDING IF BACKGOUGED BY AIR ARC METHOD. THE BACKGOUGED AREA OF THE WELD IS TO BE REWELDED.

16. ALL EXTERIOR EXPOSED WELDS, WHICH ARE LOCATED WITHIN A HEIGHT OF 6'-0" FROM THE INTERIOR FINISH FLOOR ELEVATION, SHALL BE GROUND SMOOTH AND FREE OF BURS AND SURFACE IRREGULARITIES. SEE SPECIFICATIONS FOR ADDITIONAL PAINTING AND FINISH INFORMATION.

HEADED STUDS

1. ALL HEADED STUDS WELDED TO BEAMS OR CONCRETE CONNECTIONS



FOUNDATION NOTES:

- SEE ARCH FOR GRID DIMENSIONS & HORIZONTAL CONTROL.
- SEE SHEET S001 AND S002 FOR GENERAL NOTES.
- SEE S401 SERIES SHEETS FOR TYPICAL CONCRETE DETAILS.
- T.O.F. EL=X'-XX" INDICATES TOP OF FOOTINGS ELEVATION. FOOTINGS SHALL BE 1"-0" BELOW TOP OF CONCRETE SLAB ELEVATION U.N.O.
- F# INDICATES FOOTING TYPE PER DETAIL 1/S501.
- EL =X'-XX" INDICATES TOP OF STRUCTURAL CONCRETE ELEVATION.
- XX" INDICATES STEP IN SLAB, SEE 3/S503.
- XX" INDICATES NEW CMU BEARING WALL PER 1B/S601.
- SEE M.E.P. DRAWINGS FOR LOCATION OF TRENCHES, FLOOR SINKS, AND UNDERGROUND UTILITIES.
- GEOTECHNICAL ENGINEER SHALL OBSERVE THE FOUNDATION EXCAVATIONS PRIOR TO THE PLACEMENT OF REINFORCING STEEL.
- INDICATES STEPPED FOOTING, SEE 2/S503.
- COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL UNDER-SLAB UTILITY LOCATIONS. WHERE UTILITES CROSS FOUNDATIONS SEE 8/S501.
- CONTRACTOR TO VERIFY THAT BOTTOM OF NEW FOOTINGS ALIGNS WITH OR IS ABOVE THE BOTTOM OF ALL ADJACENT FOOTINGS.
- WHERE OPENINGS ARE REQUIRED IN SLAB-ON-GRADE SEE 7/S501.
- FOR TYPICAL SLAB-ON-GRADE CONTROL JOINT AND COLUMN ISOLATION JOISTS SEE 4/S501 AND 3/S501.
- FOR COLUMN BASE PLATE INFO SEE 2/S701.
- FOR TYPICAL VAPOR BARRIER & BASE PREPARATION AT SLAB-ON-GRADE SEE 1/S503.
- SEE FOUNDATION SECTION OF GENERAL NOTES FOR SUBGRADE PREPARATION BELOW SLAB-ON-GRADE AND FOUNDATIONS.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A
architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

kpf
412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

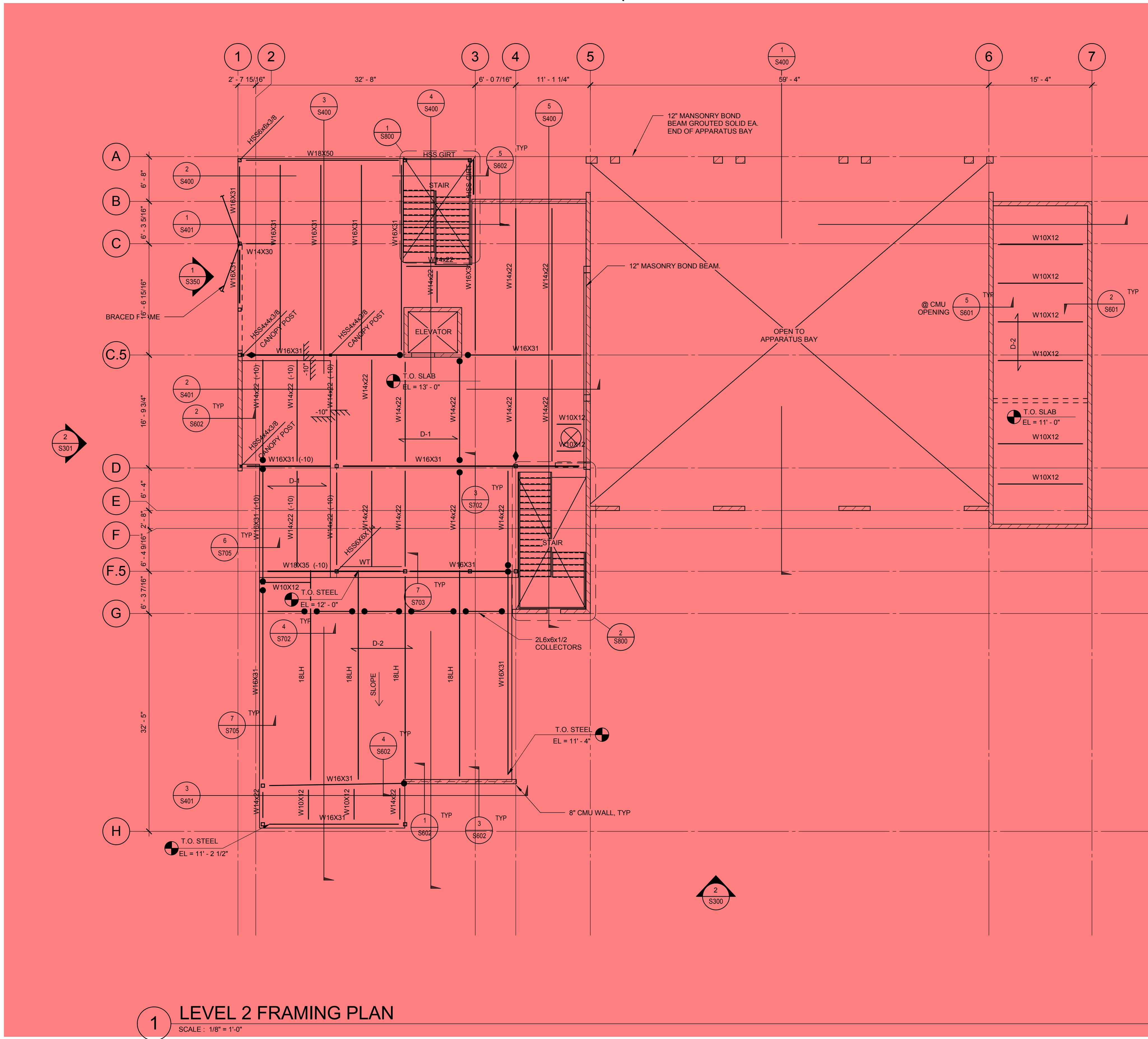
PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

SHEET NAME:

FOUNDATION PLAN

SHEET NUMBER:

S201



TYPICAL STEEL FRAMING NOTES:

- SEE ARCH SHEETS FOR GRID DIMENSIONS & HORIZONTAL CONTROL.
- SEE S000 SHEET SERIES FOR GENERAL NOTES.
SEE S501 SHEET SERIES FOR TYPICAL CMU DETAILS.
SEE S601 SHEET SERIES FOR TYPICAL STEEL DETAILS.
- ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS UNLESS NOTED OTHERWISE.
- BEAMS AROUND OPENING ARE 1'-0" FROM EDGE OF OPENING, UNO. BEAMS AT EDGE OF SLAB ARE LOCATED AT 1'-0" FROM EDGE OF SLAB UNO.
- T.O.SLAB**
EL = $x-x'$ INDICATES TOP OF SLAB OR DECK ELEVATION
- $(+/-x')$ INDICATES TOP OF STEEL BEAM RELATIVE THE REFERENCED T.O. STEEL ELEVATION.
- $(-/-x')$ INDICATES FLOOR ELEVATION CHANGE.
- D-1 INDICATES DECK TYPE. SEE DETAIL 1/S705.
- [XX] INDICATES NUMBER OF REQUIRED HEADED STUDS PER 5/S704.
- $<x-y>$ INDICATES UPWARD BEAM CAMBER AT MIDSPAN.
- INDICATES DRAG CONNECTION SEE SCHEDULE ON DETAIL 1/S702. FOR OWSJ SEE 5/S703.
- ◆ INDICATES FULL HEIGHT STIFFENER PER DETAIL B ON 1/S701.
- INDICATES MOMENT CONNECTION SEE DETAILS 2/S702.
- ↔ INDICATES BEAM LATERAL BRACE PER DETAIL 1/S704.
- LFRS INDICATES LATERAL FORCE RESISTING SYSTEM MEMBERS.
- FOR TYPICAL REINFORCING AT STRUCTURAL CMU WALLS SEE 1/S601.
- ##LH INDICATES OPEN WEB STEEL JOIST BY CONTRACTOR. SEE GENERAL NOTES FOR LOAD CRITERIA AND DESIGN REQUIREMENTS.

NOT FOR CONSTRUCTION



412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**
PROJECT NUMBER 114747.2
PROJECT MANAGER R. TeBeau
PROJECT ARCHITECT R. TeBeau
DESIGN B. Harris/R. TeBeau
DRAWN BY NLP

SHEET NAME:

LEVEL 2 FRAMING PLAN

SHEET NUMBER:

S202

ARCHITECT:

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

CONSULTANT:

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**
PROJECT NUMBER 114747.2
PROJECT MANAGER R. TeBeau
PROJECT ARCHITECT R. TeBeau
DESIGN B. Harris/R. TeBeau
DRAWN BY NLP

SHEET NAME:

LEVEL 2 FRAMING PLAN

SHEET NUMBER:

S202

11.09.15

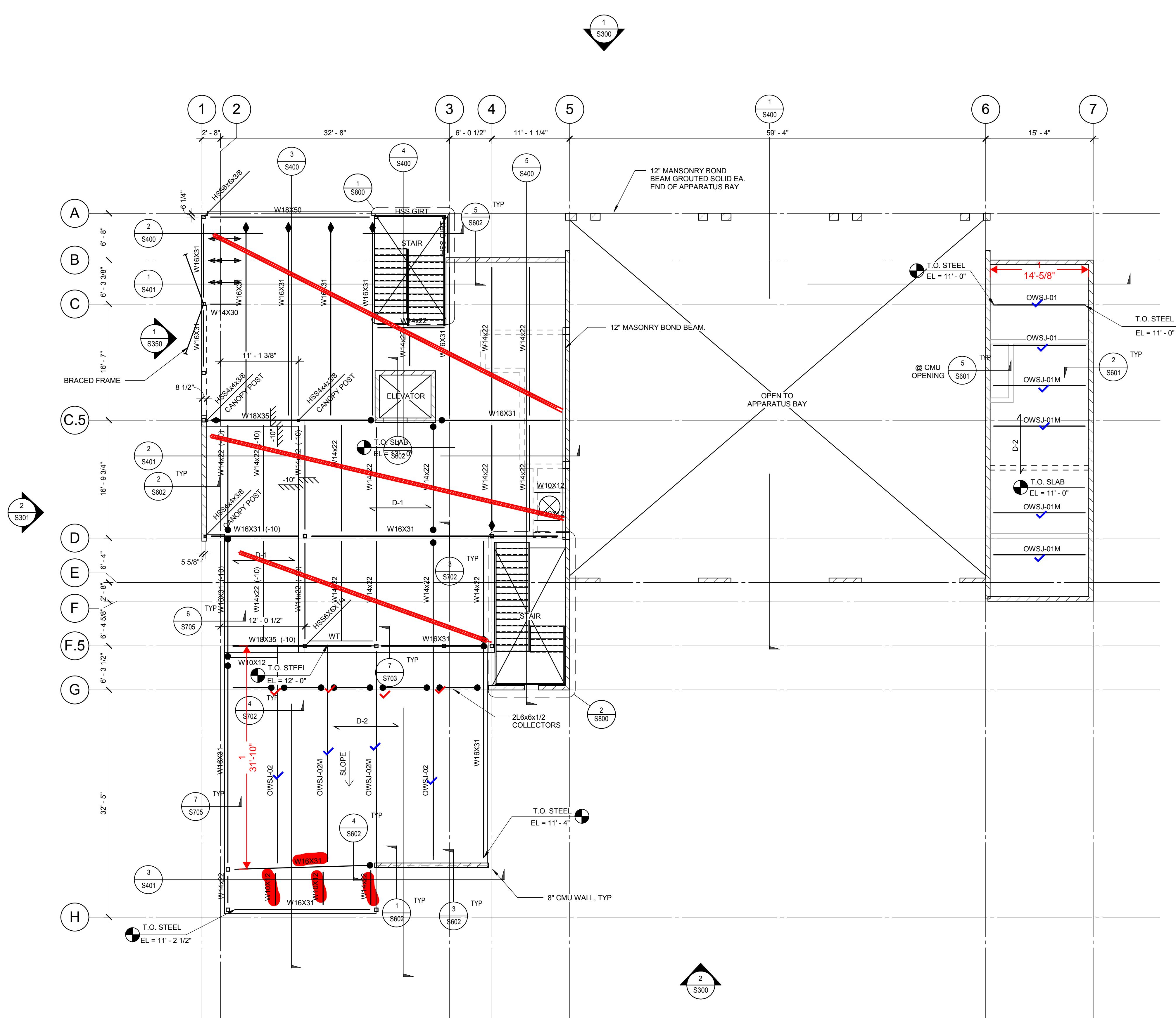
NOT FOR CONSTRUCTION**City of Boise Fire Station #8**

3575 W. Overland Rd. Boise, ID 83705

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	NLP

LEVEL 2 FRAMING PLAN

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

kpff

412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:

City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	NLP

SHEET NAME:

SHEET NUMBER:	
	S203

TYPICAL STEEL FRAMING NOTES:

1. SEE ARCH SHEETS FOR GRID DIMENSIONS & HORIZONTAL CONTROL.
2. SEE S000 SHEET SERIES FOR GENERAL NOTES.
3. SEE S601 SHEET SERIES FOR TYPICAL CMU DETAILS.
4. SEE S601 SHEET SERIES FOR TYPICAL STEEL DETAILS.
5. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS UNLESS NOTED OTHERWISE.
6. BEAMS AROUND OPENING ARE 1'-0" FROM EDGE OF OPENING, UNO.
7. BEAMS AT EDGE OF SLAB ARE LOCATED AT 1'-0" FROM EDGE OF SLAB UNO.
8. T.O.SLAB EL = X-X' INDICATES TOP OF SLAB OR DECK ELEVATION
9. (-/+X") INDICATES TOP OF STEEL BEAM RELATIVE THE REFERENCED T.O. STEEL ELEVATION.
10. INDICATES FLOOR ELEVATION CHANGE.
11. INDICATES DECK TYPE. SEE DETAIL 1/S705.
12. INDICATES NUMBER OF REQUIRED HEADED STUDS PER 5/S704.
13. INDICATES UPWARD BEAM CAMBER AT MIDSPAN.
14. INDICATES DRAG CONNECTION SEE SCHEDULE ON DETAIL 1/S702. FOR OWSJ SEE 5/S703.
15. INDICATES FULL HEIGHT STIFFENER PER DETAIL B ON 1/S701.
16. INDICATES MOMENT CONNECTION SEE DETAILS 2/S702.
17. INDICATES BEAM LATERAL BRACE PER DETAIL 1/S704.
18. LFRS INDICATES LATERAL FORCE RESISTING SYSTEM MEMBERS.
19. FOR TYPICAL REINFORCING AT STRUCTURAL CMU WALLS SEE 1/S601.
20. #LH INDICATES OPEN WEB STEEL JOIST BY CONTRACTOR. SEE GENERAL NOTES FOR LOAD CRITERIA AND DESIGN REQUIREMENTS.

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT INFORMATION:

City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

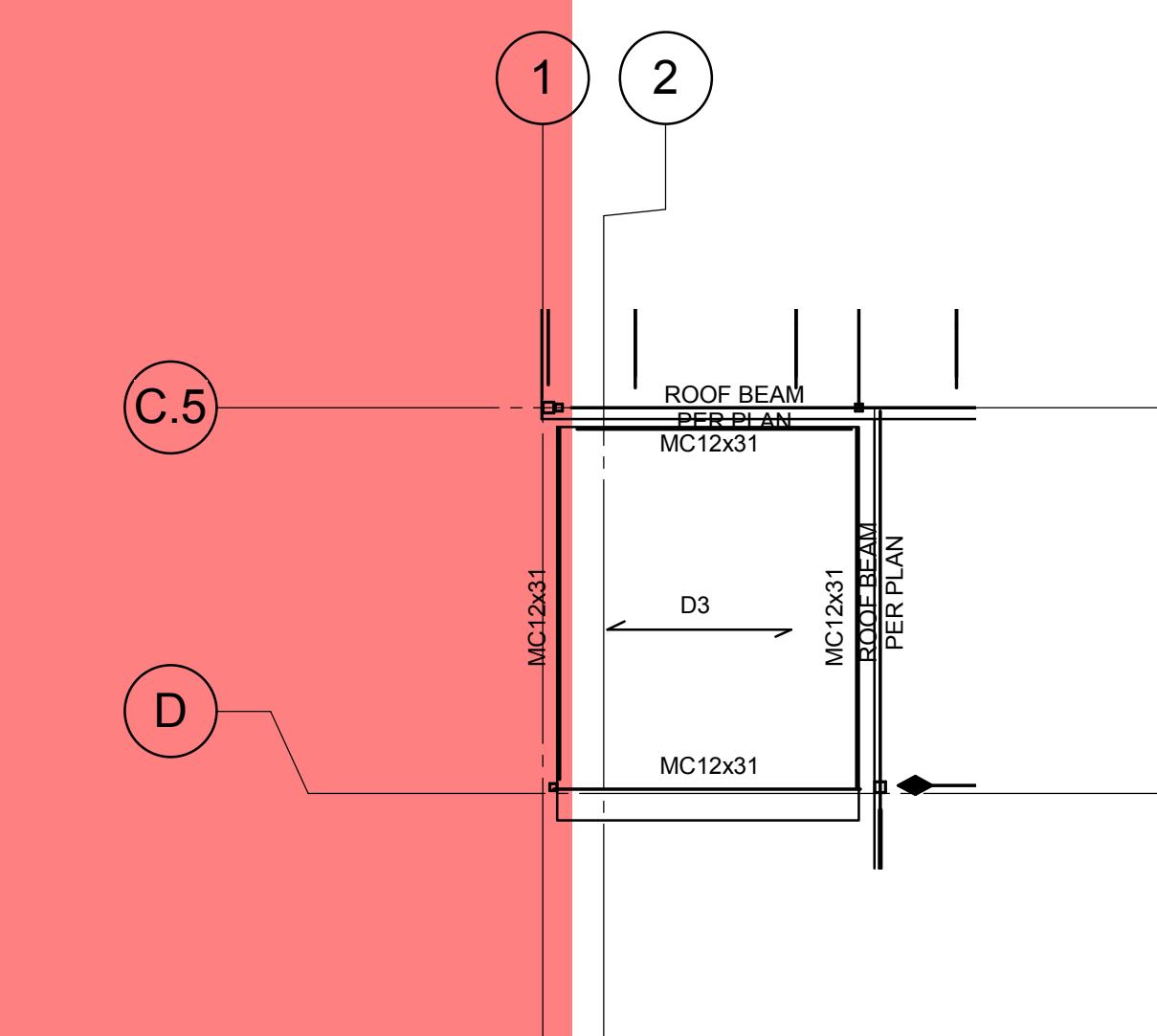
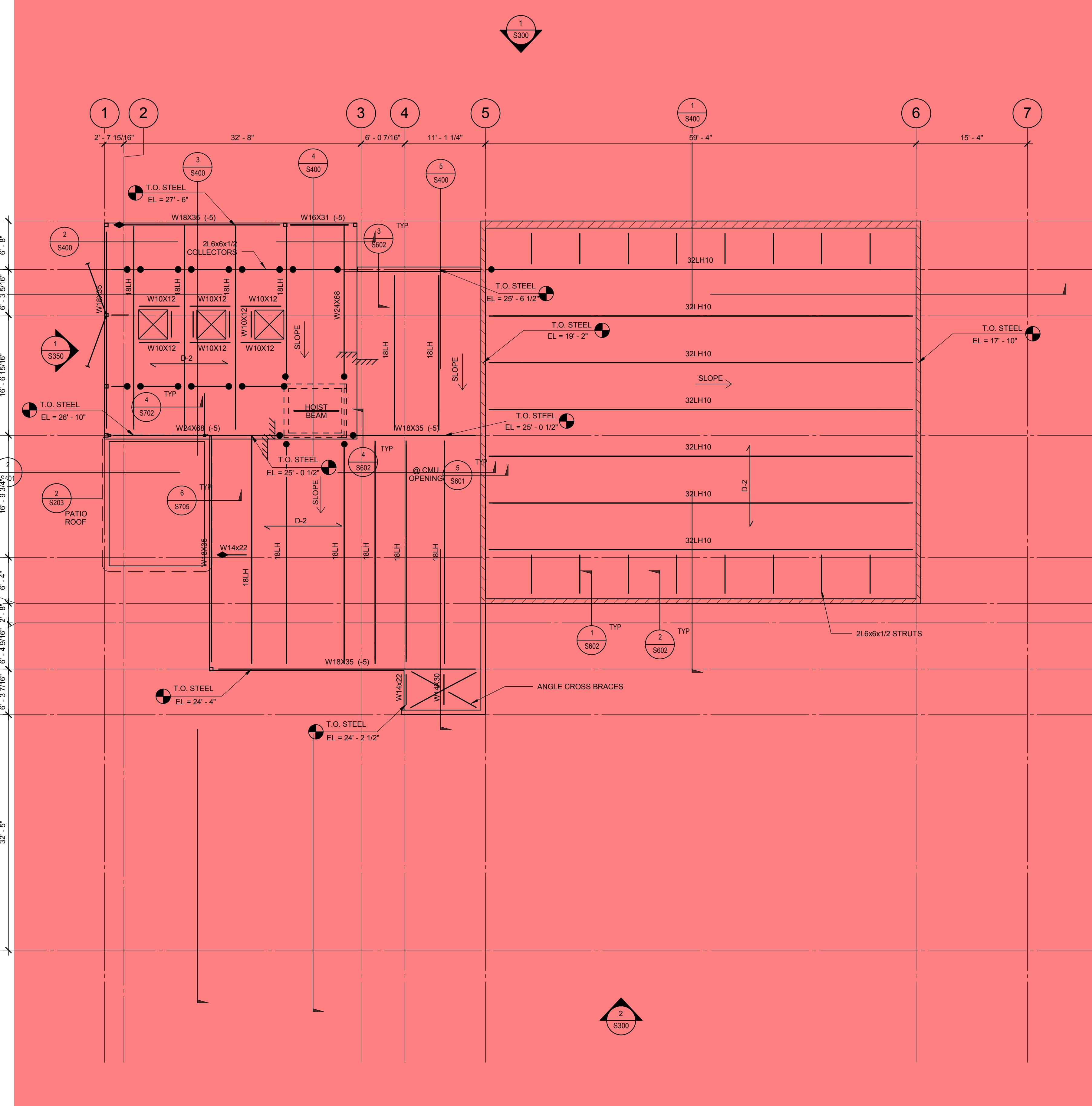
MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	NLP

SHEET NAME:

SHEET NUMBER:	
	S203

11.09.15



1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

2 PATIO ROOF FRAMING
SCALE: 1/8" = 1'-0"

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:

**City of Boise Fire Station #8**
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	NLP

SHEET NAME:

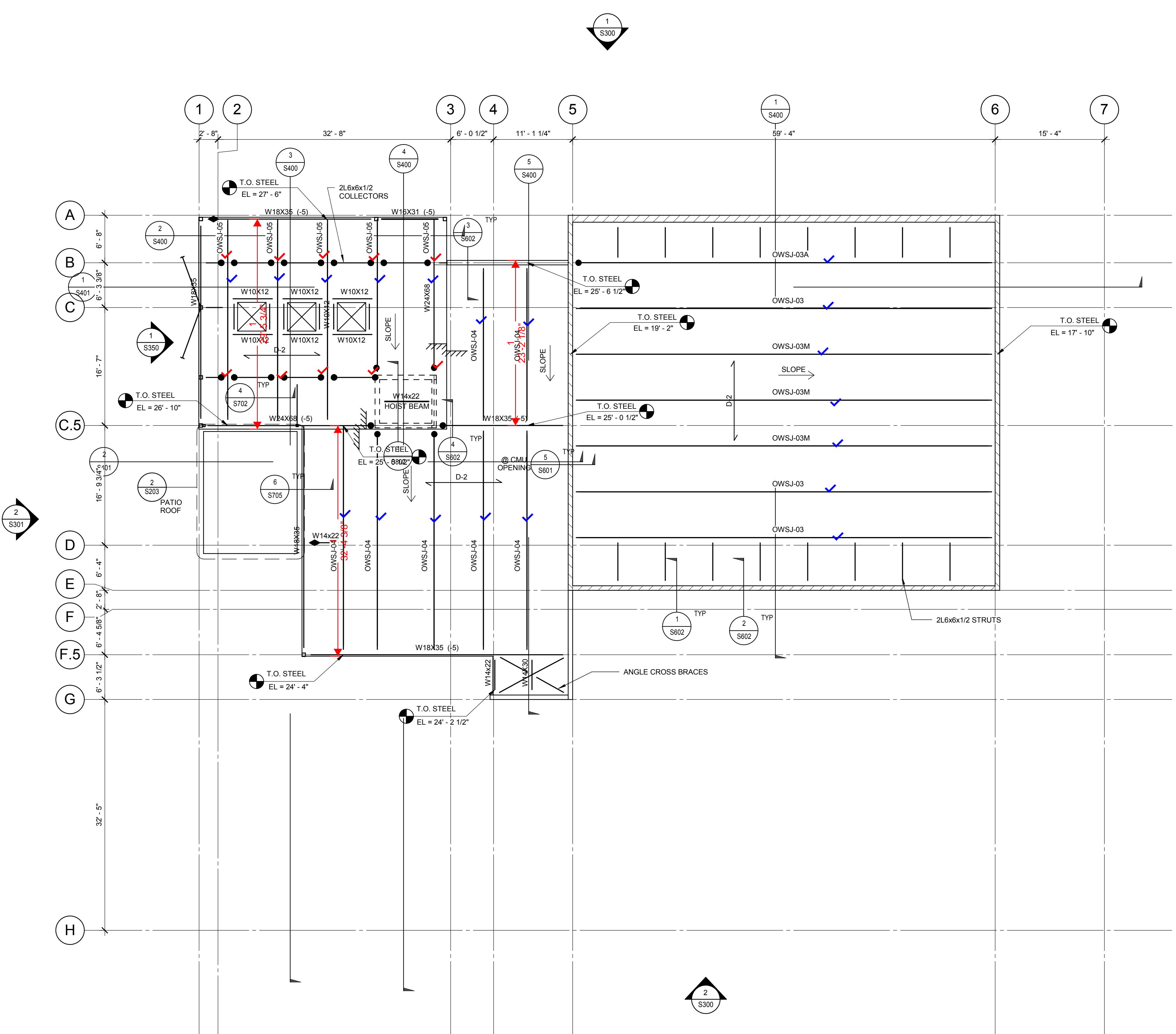
SHEET NUMBER:	
	S203

11.09.15

TYPICAL STEEL FRAMING NOTES:

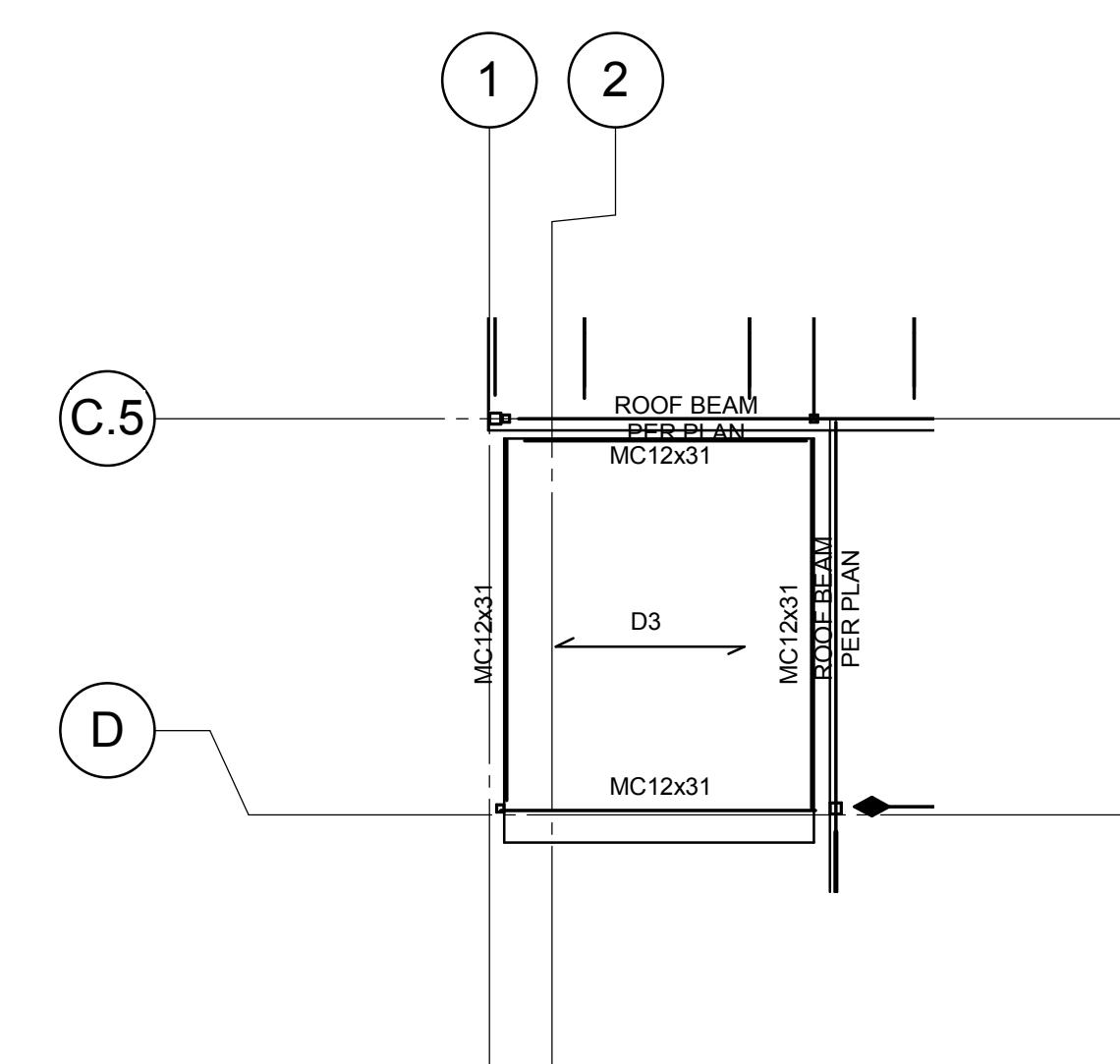
1. SEE ARCH SHEETS FOR GRID DIMENSIONS & HORIZONTAL CONTROL.
2. SEE S000 SHEET SERIES FOR GENERAL NOTES.
3. SEE S601 SHEET SERIES FOR TYPICAL CMU DETAILS.
4. SEE S601 SHEET SERIES FOR TYPICAL STEEL DETAILS.
5. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS UNLESS NOTED OTHERWISE.
6. BEAMS AROUND OPENING ARE 1'-0" FROM EDGE OF OPENING, UNO.
7. BEAMS AT EDGE OF SLAB ARE LOCATED AT 1'-0" FROM EDGE OF SLAB UNO.
8. T.O.SLAB EL = X-X' INDICATES TOP OF SLAB OR DECK ELEVATION
9. (-/+X") INDICATES TOP OF STEEL BEAM RELATIVE THE REFERENCED T.O. STEEL ELEVATION.
10. INDICATES FLOOR ELEVATION CHANGE.
11. D-1 INDICATES DECK TYPE. SEE DETAIL 1/S705.
12. [XX] INDICATES NUMBER OF REQUIRED HEADED STUDS PER 5/S704.
13. <X-Y> INDICATES UPWARD BEAM CAMBER AT MIDSPAN.
14. ● INDICATES DRAG CONNECTION SEE SCHEDULE ON DETAIL 1/S702. FOR OWSJ SEE 5/S703.
15. ◆ INDICATES FULL HEIGHT STIFFENER PER DETAIL B ON 1/S701.
16. ▶ INDICATES MOMENT CONNECTION SEE DETAILS 2/S702.
17. ↔ INDICATES BEAM LATERAL BRACE PER DETAIL 1/S704.
18. LFRS INDICATES LATERAL FORCE RESISTING SYSTEM MEMBERS.
19. FOR TYPICAL REINFORCING AT STRUCTURAL CMU WALLS SEE 1/S601.
20. #HLH INDICATES OPEN WEB STEEL JOIST BY CONTRACTOR. SEE GENERAL NOTES FOR LOAD CRITERIA AND DESIGN REQUIREMENTS.

A

**1 ROOF FRAMING PLAN**

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

B

**2 PATIO ROOF FRAMING**

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

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

PP

QQ

RR

SS

TT

UU

VV

WW

XX

YY

ZZ

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

PP

QQ

RR

SS

TT

UU

VV

WW

XX

YY

ZZ

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

PP

QQ

RR

SS

TT

UU

VV

WW

XX

YY

ZZ

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

PP

QQ

RR

SS

TT

UU

VV

WW

XX

YY

ZZ

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

PP

QQ

RR

SS

TT

UU

VV

WW

XX

YY

ZZ

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
---------------	--------

PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

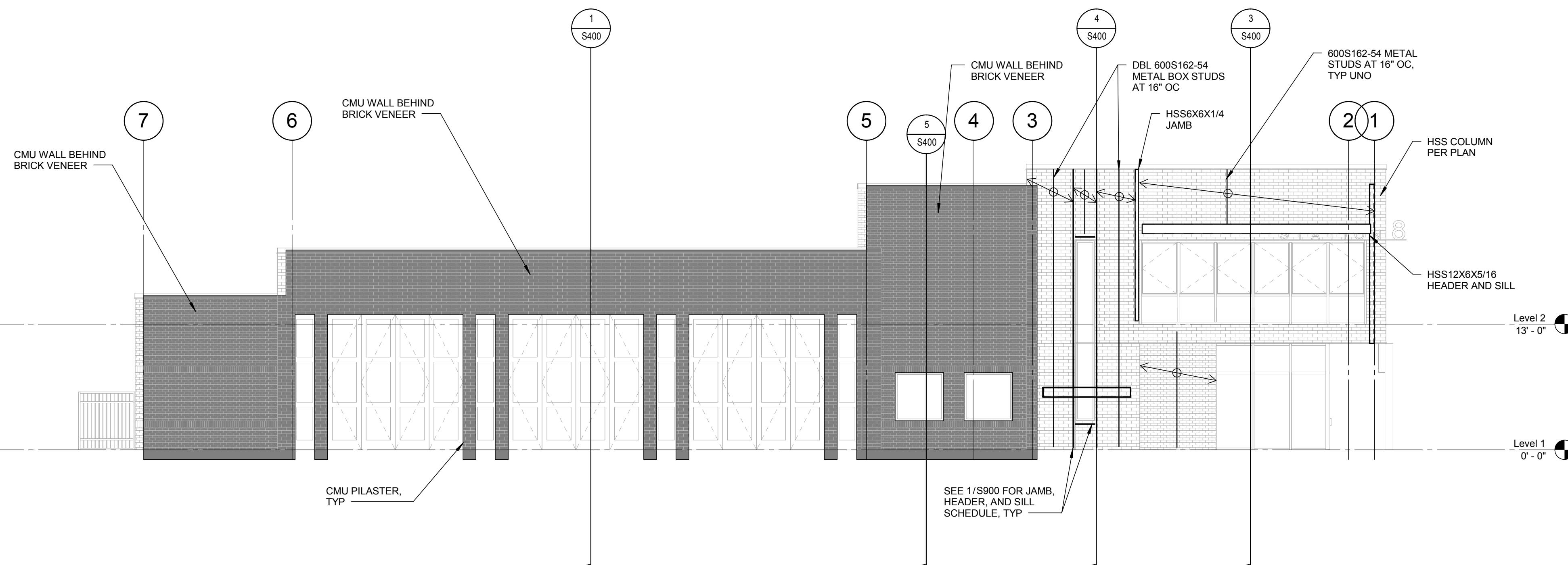
SHEET NAME:

EXTERIOR ELEVATIONS

SHEET NUMBER:

S300

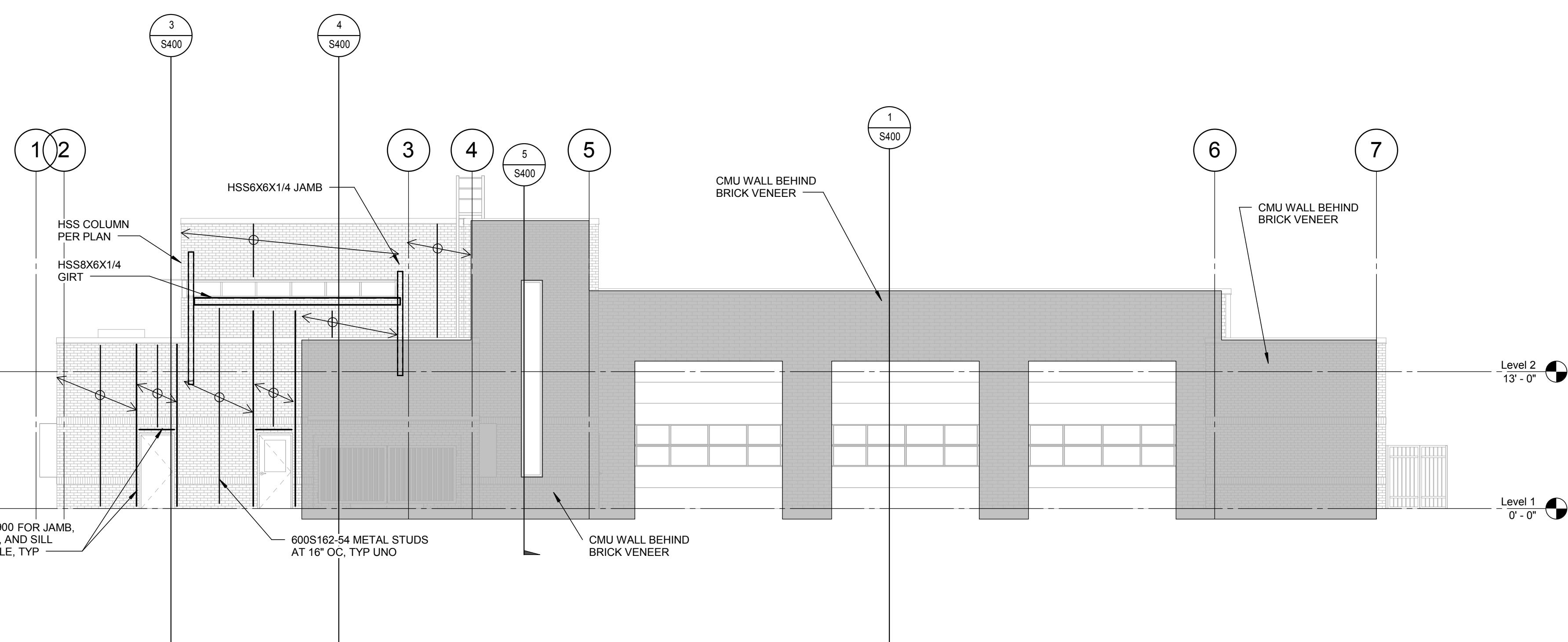
A



1 NORTH ELEVATION

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

C



2 SOUTH ELEVATION

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

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

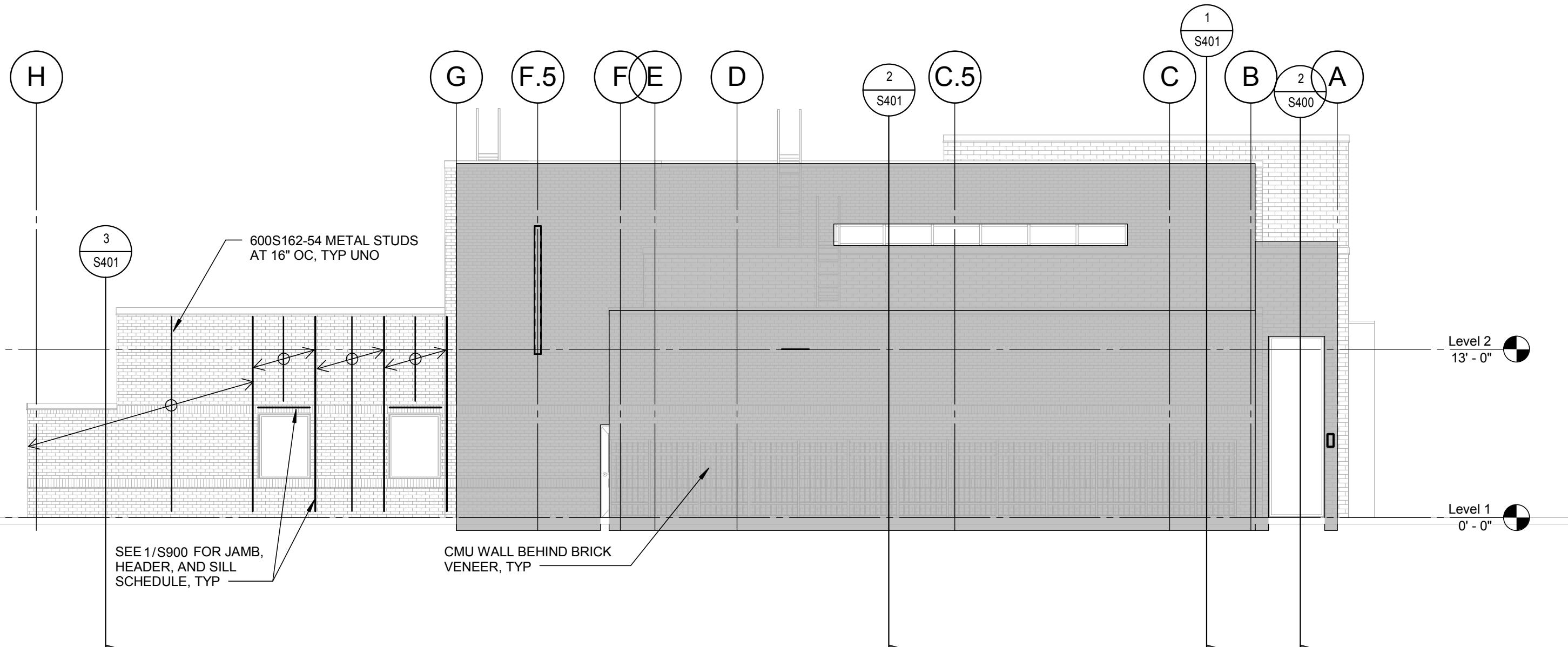
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

SHEET NAME:

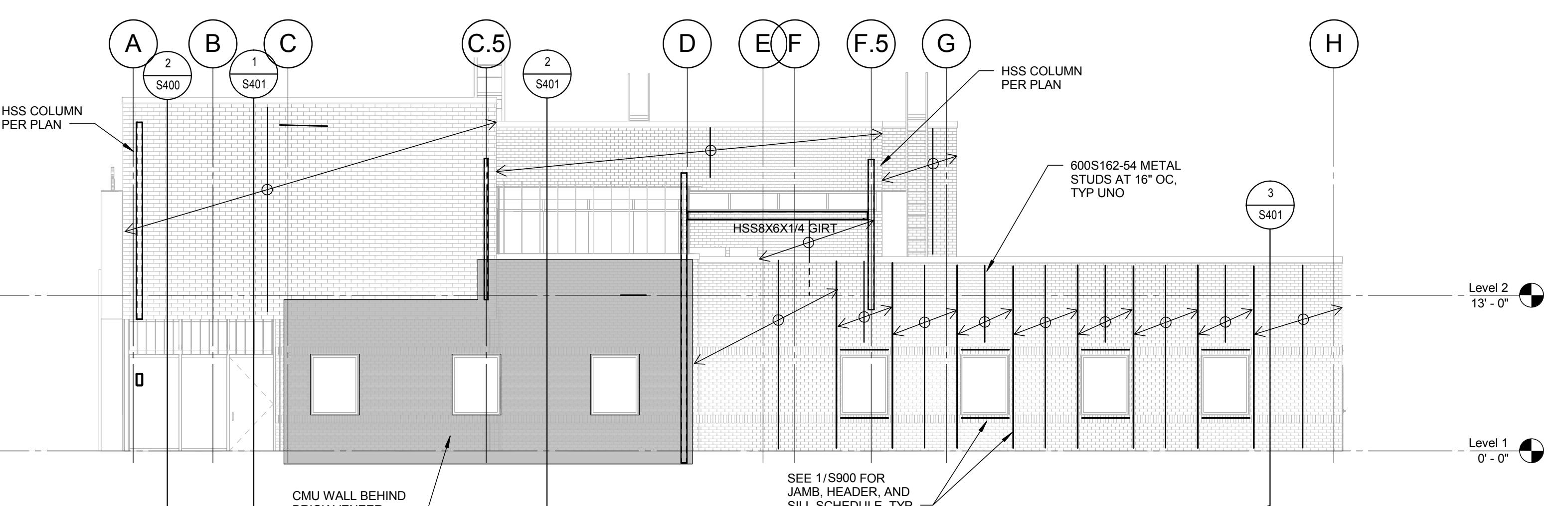
EXTERIOR ELEVATIONS

SHEET NUMBER:

S301



1 EAST ELEVATION



2 WEST ELEVATION

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUIT 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

kpf

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

SHEET NAME:

WALL/FRAME ELEVATIONS

SHEET NUMBER:

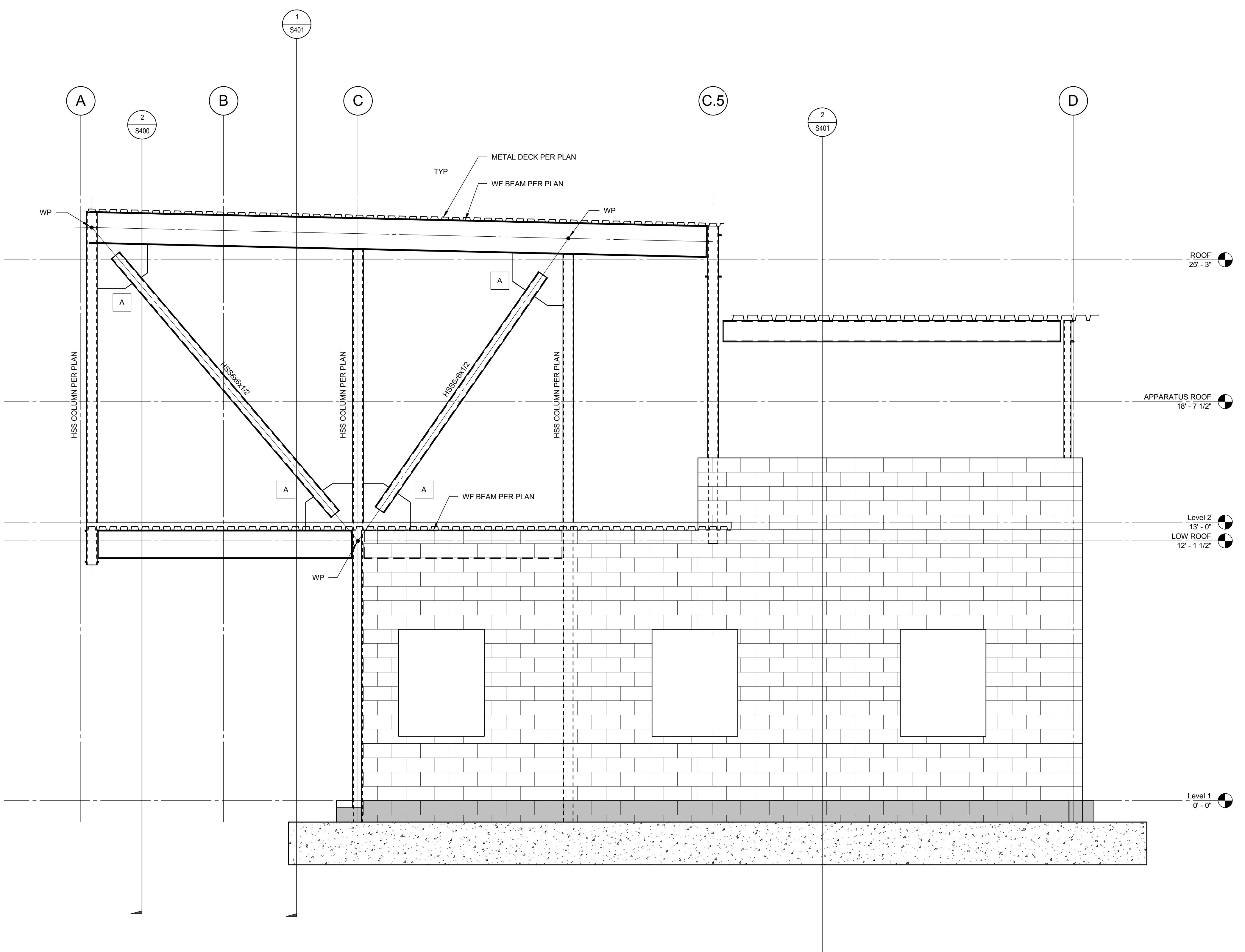
S350

NOTE:
A INDICATES CONNECTION TYPE PER 1/S702.

1 WALL/FRAME ELEVATION

SCALE : 3/8" = 1'-0"

A



COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

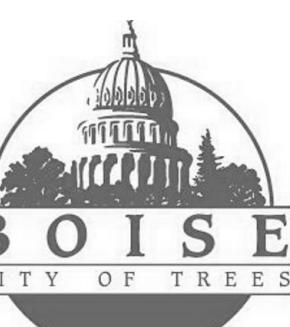
NOT FOR CONSTRUCTION

CONSULTANT:

kpff

412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

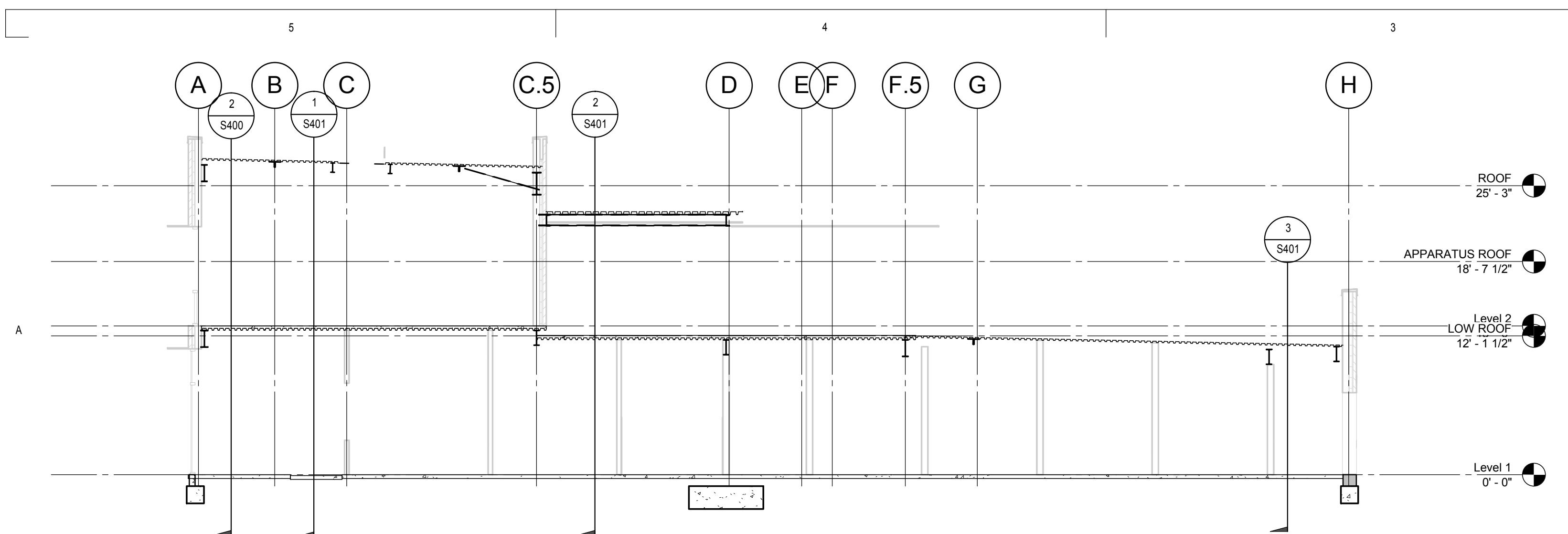
SHEET NAME:

BUILDING SECTIONS

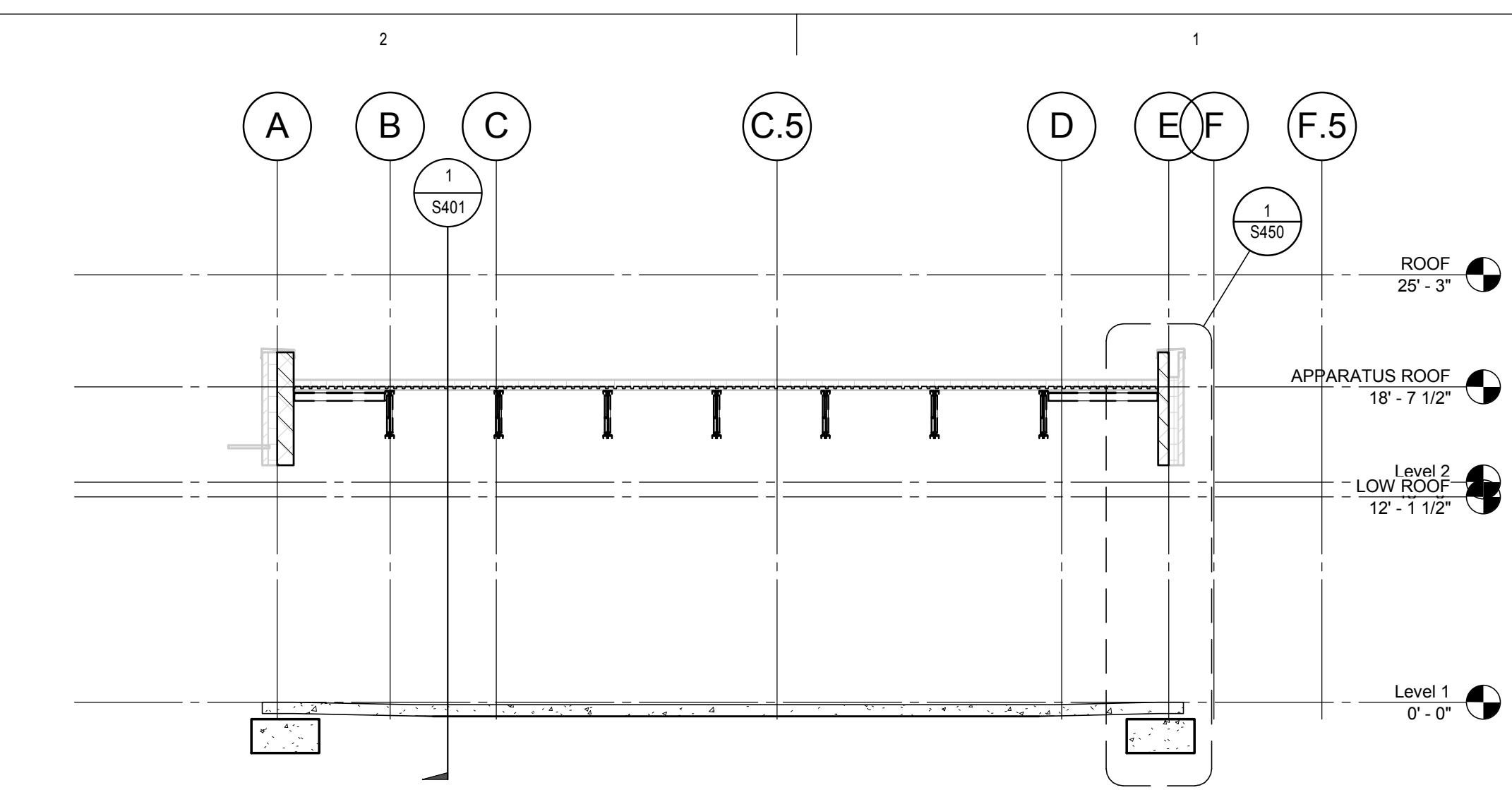
SHEET NUMBER:

S400

11.09.15

**3 BUILDING SECTION**

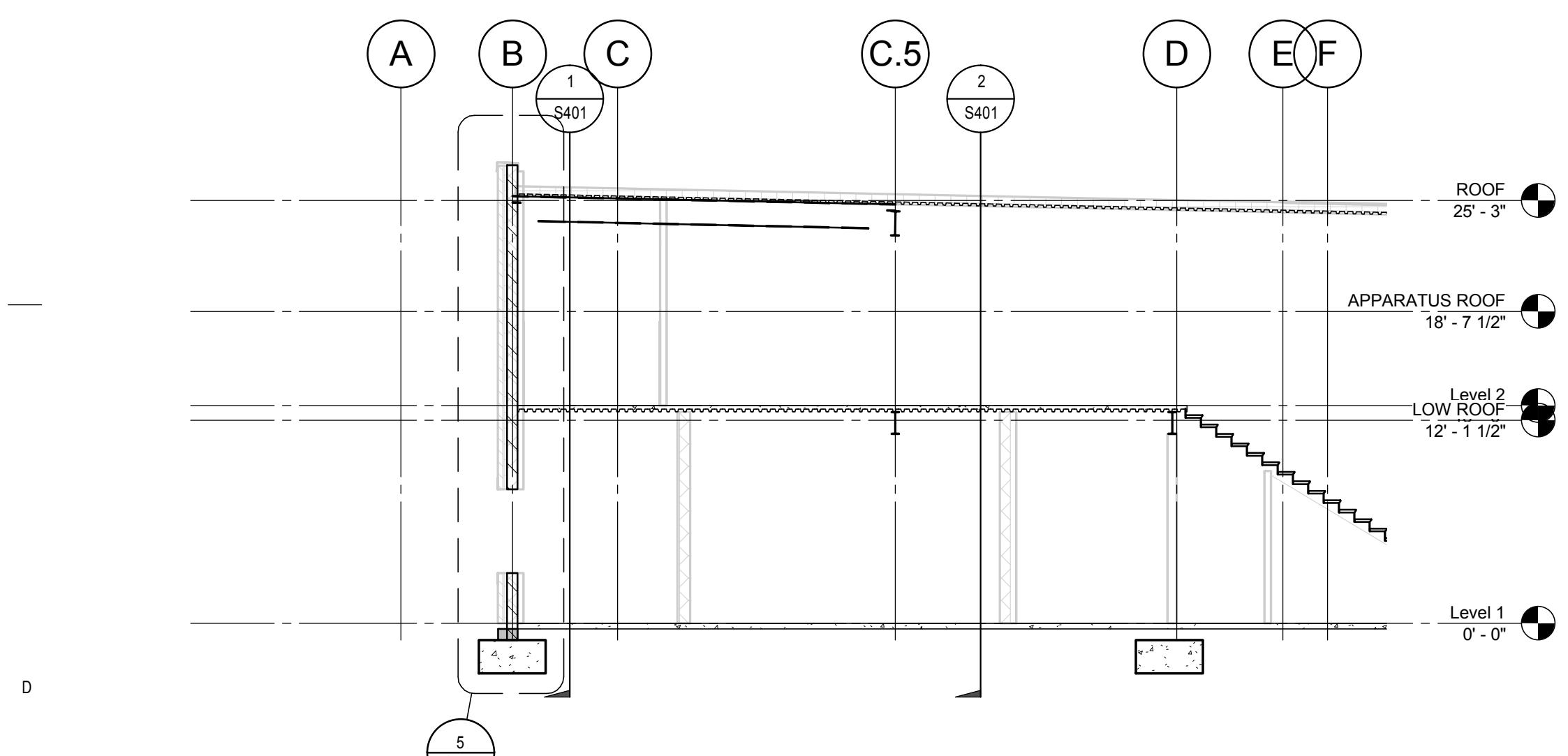
SCALE : 1/8" = 1'-0"

**1 BUILDING SECTION**

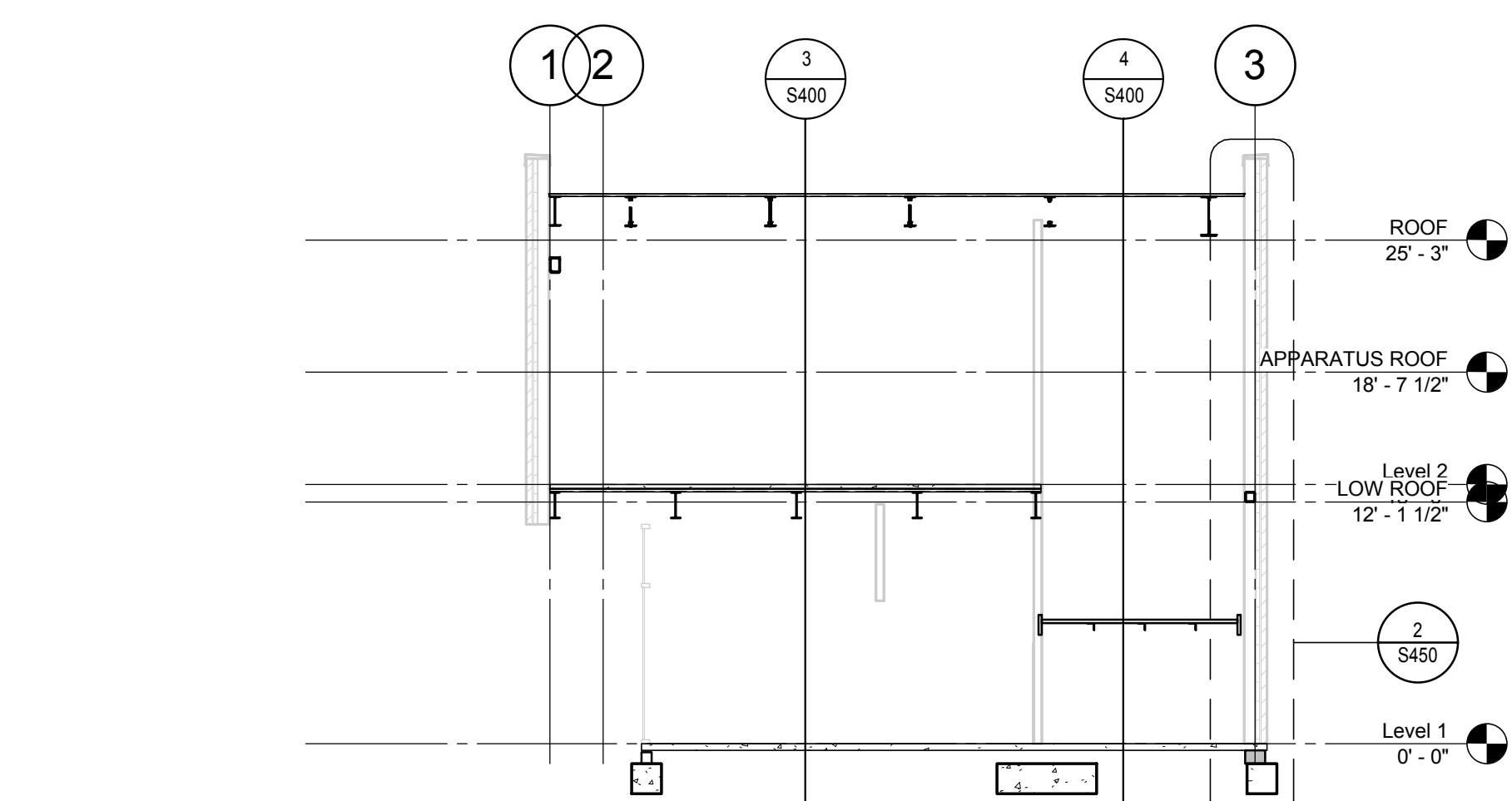
SCALE : 1/8" = 1'-0"

4 BUILDING SECTION

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

**5 BUILDING SECTION**

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

**2 BUILDING SECTION**

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

5	4	3	2	1
4	3	2	1	

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 201 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf
412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE: **75% CD**

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

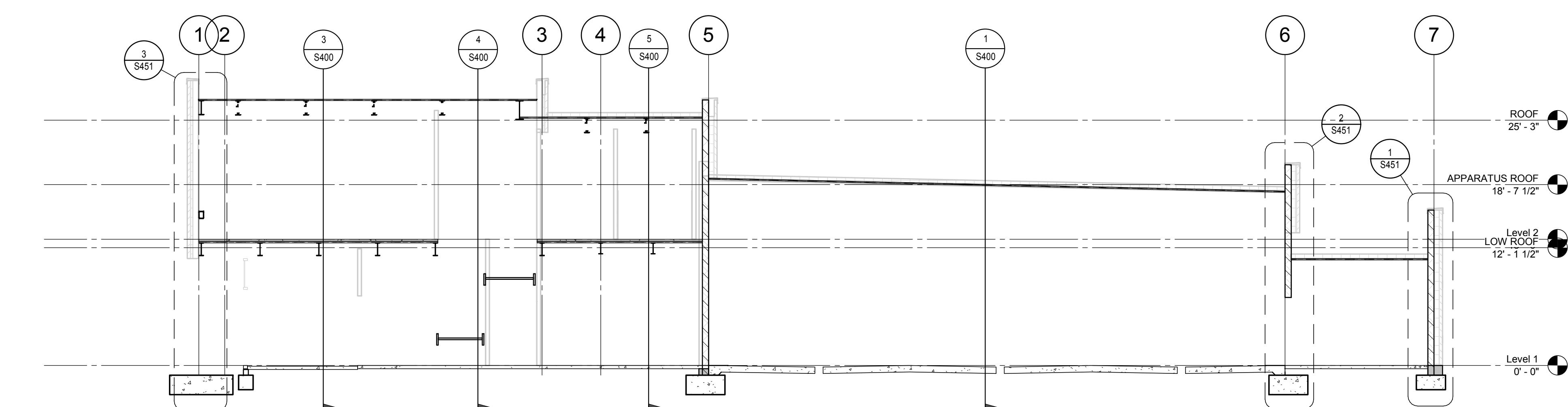
SHEET NAME:

BUILDING SECTIONS

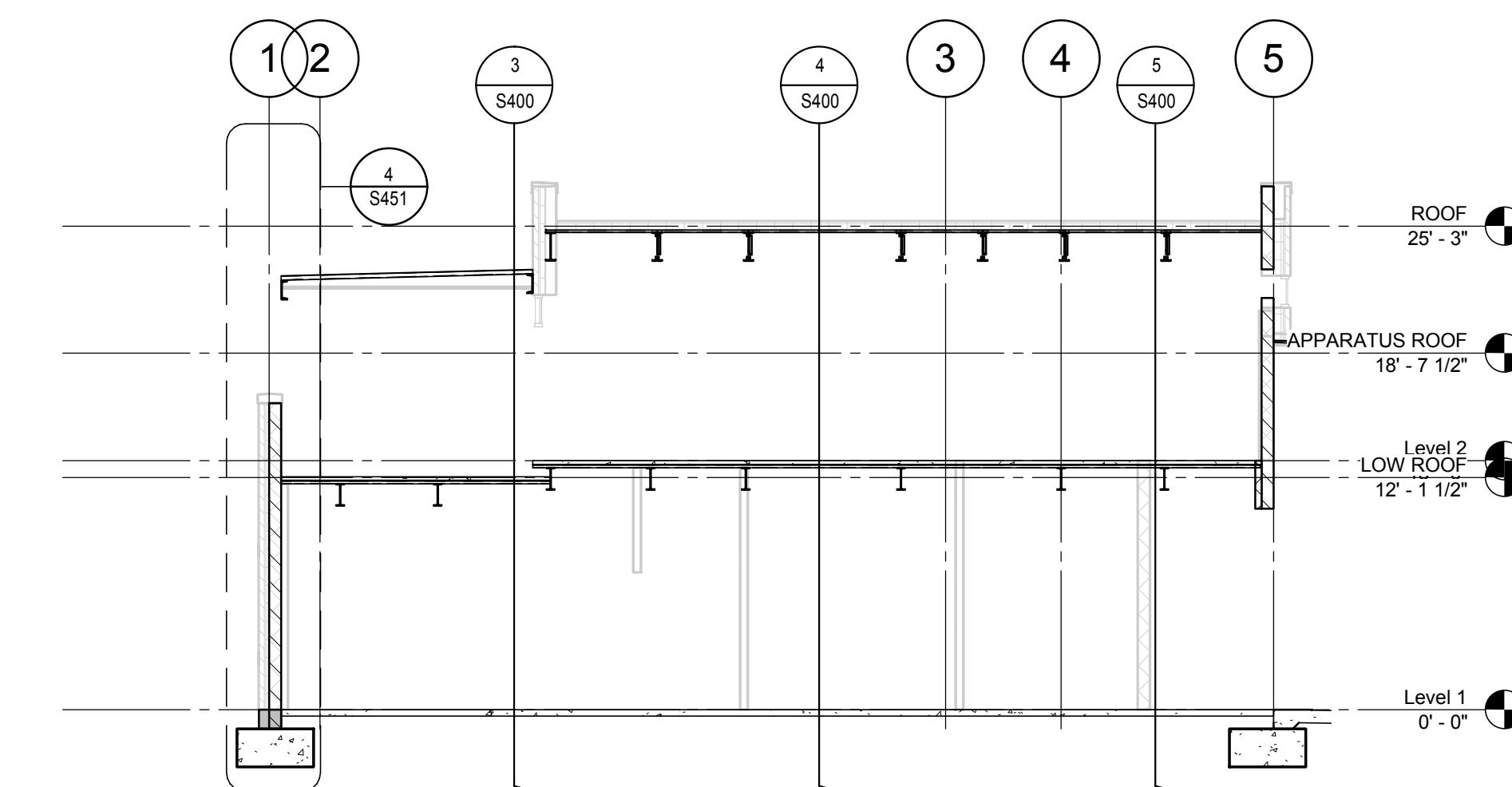
SHEET NUMBER:

S401

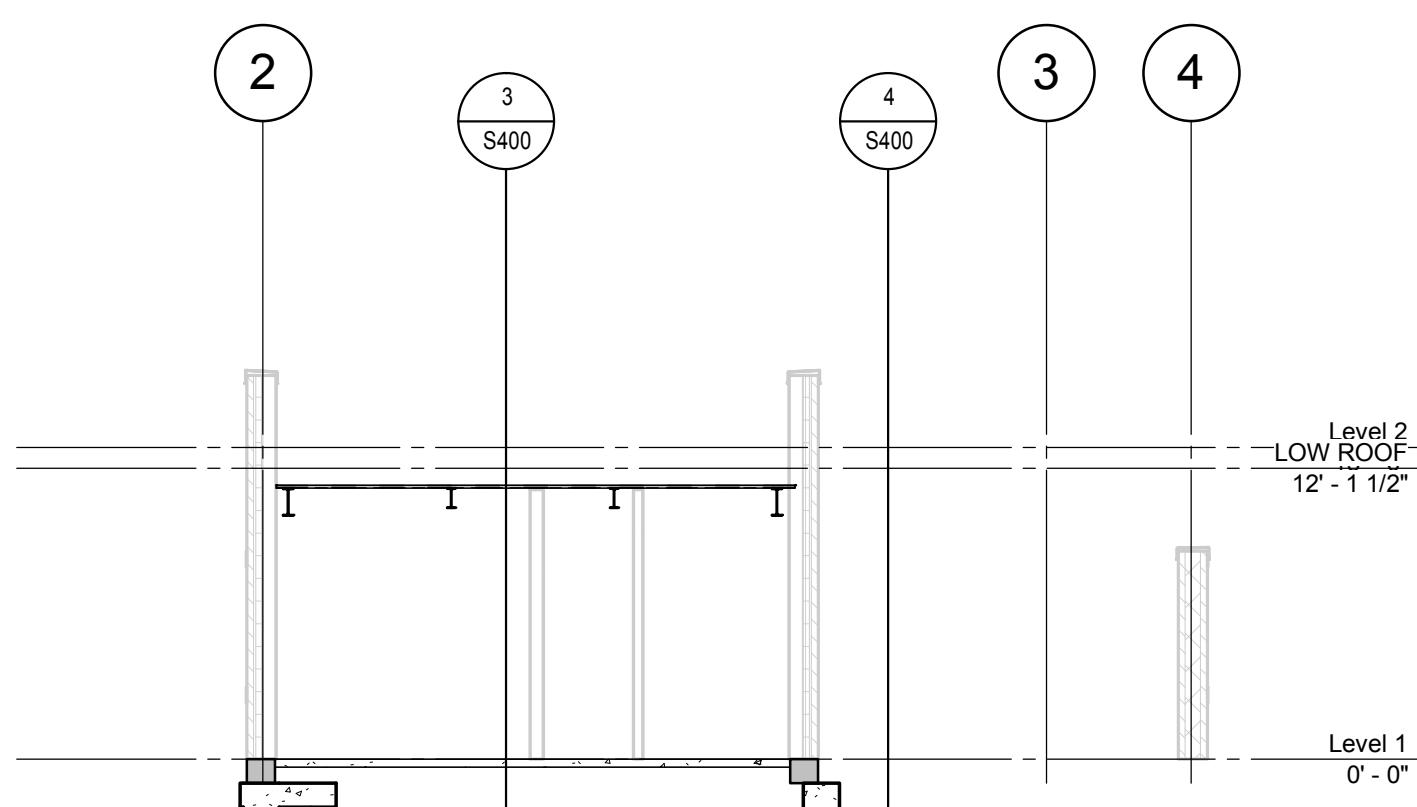
11.09.15

**1 BUILDING SECTION**

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

**2 BUILDING SECTION**

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

**3 BUILDING SECTION**

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

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpff

412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

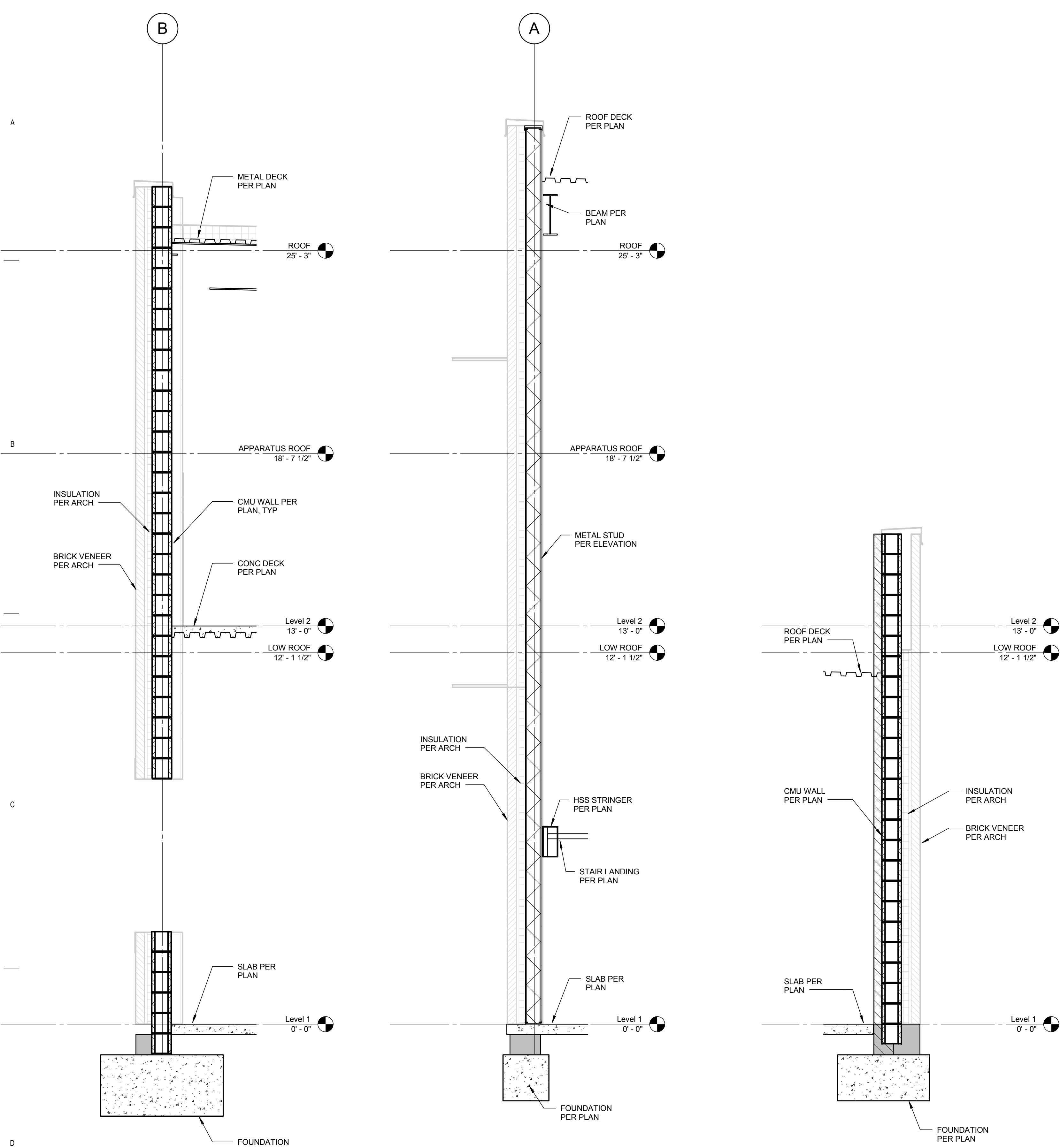
REVISIONS:
MARK DATE DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

SHEET NAME:

WALL SECTIONS

SHEET NUMBER:

S450

5 WALL SECTION

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

4 WALL SECTION

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

3 WALL SECTION

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

2 WALL SECTION

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

1 WALL SECTION

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

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf
412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

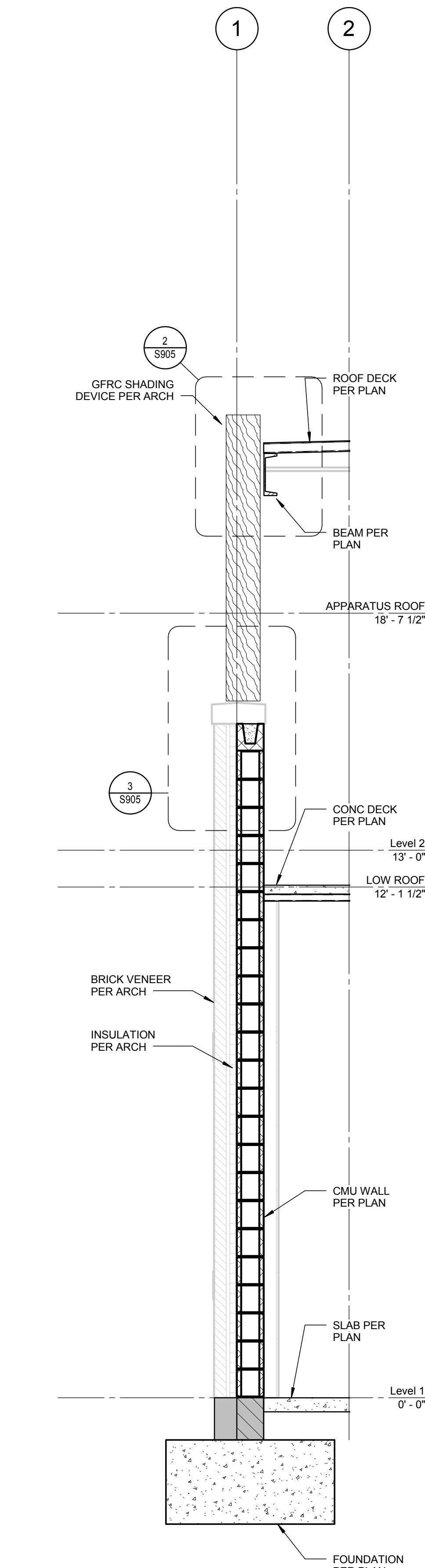
PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

SHEET NAME:

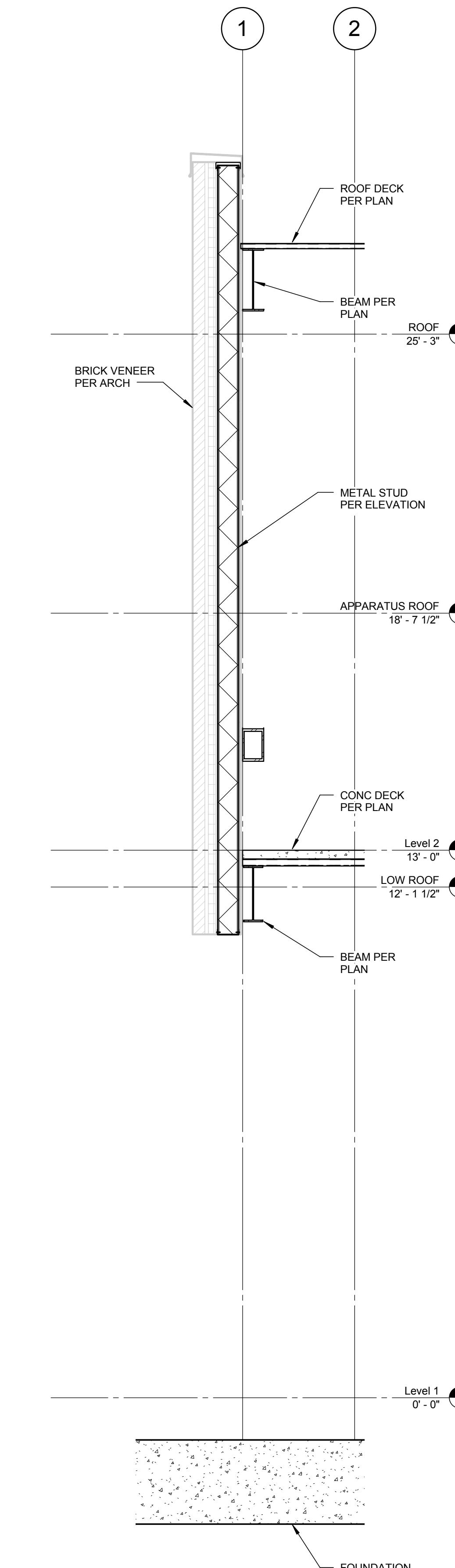
WALL SECTIONS

SHEET NUMBER:

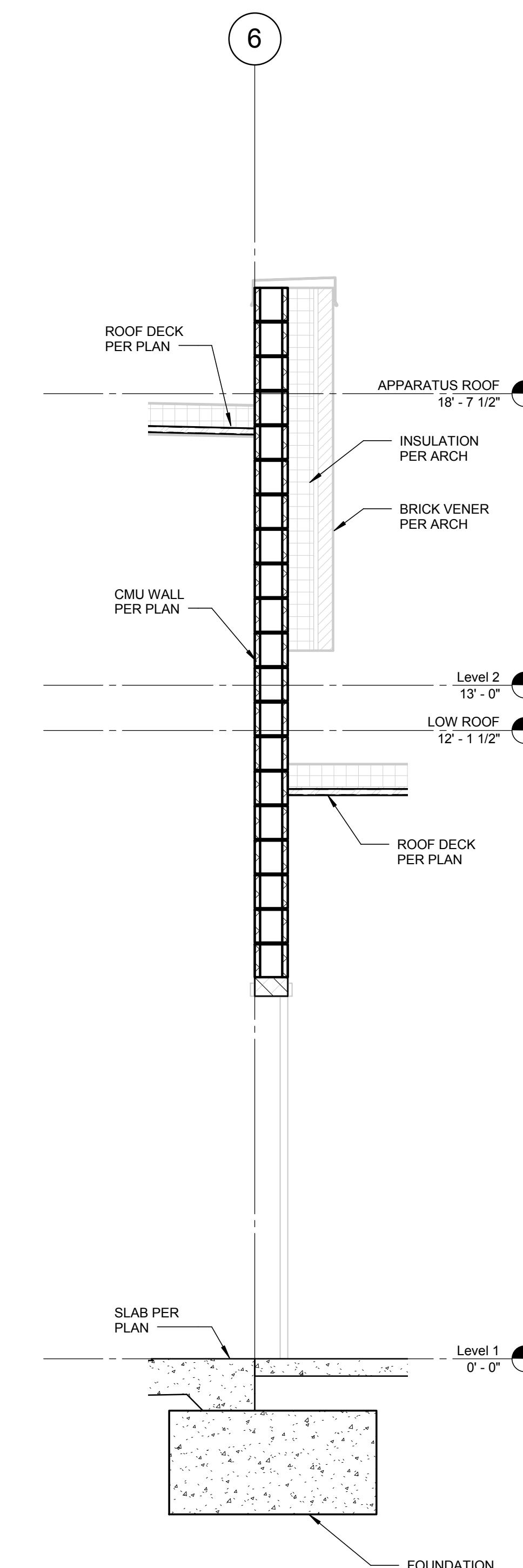
S451



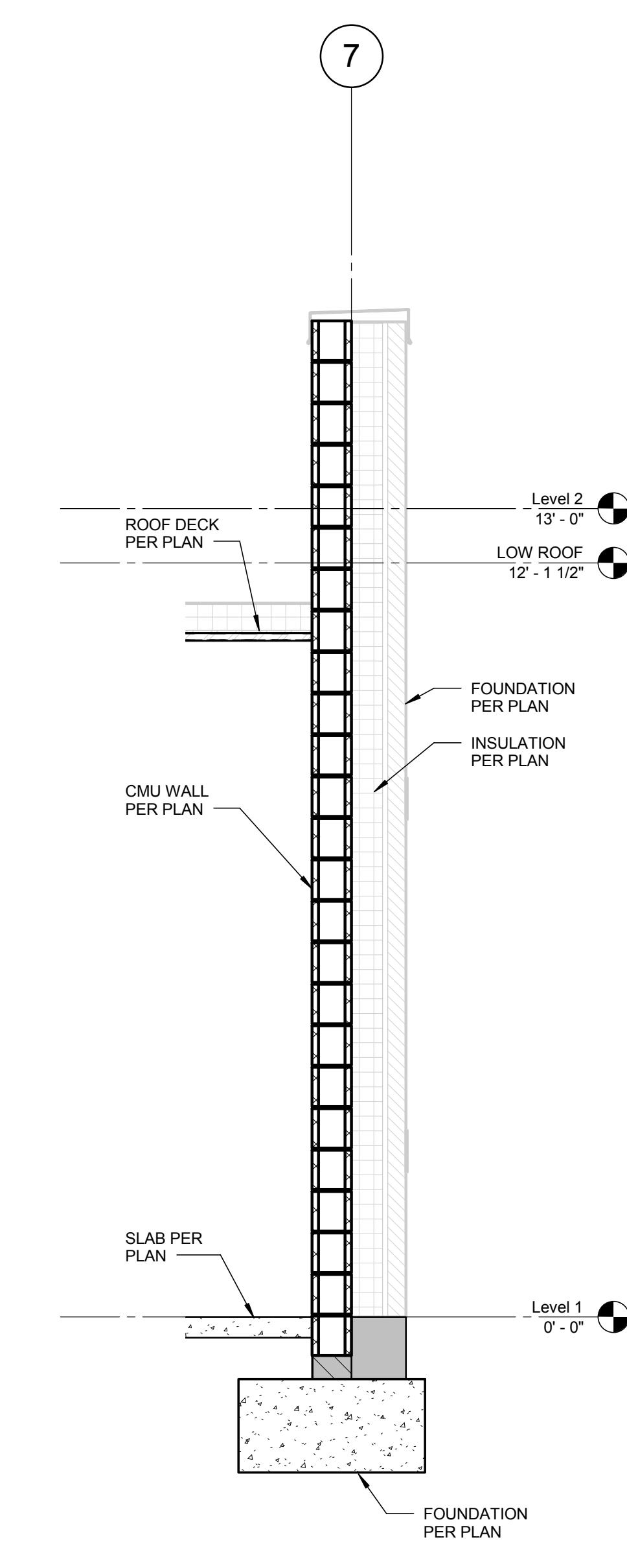
4 WALL SECTION
SCALE : 1/2" = 1'-0"



3 WALL SECTION
SCALE : 1/2" = 1'-0"



2 WALL SECTION
SCALE : 1/2" = 1'-0"



1 WALL SECTION
SCALE : 1/2" = 1'-0"

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpff

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:

City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

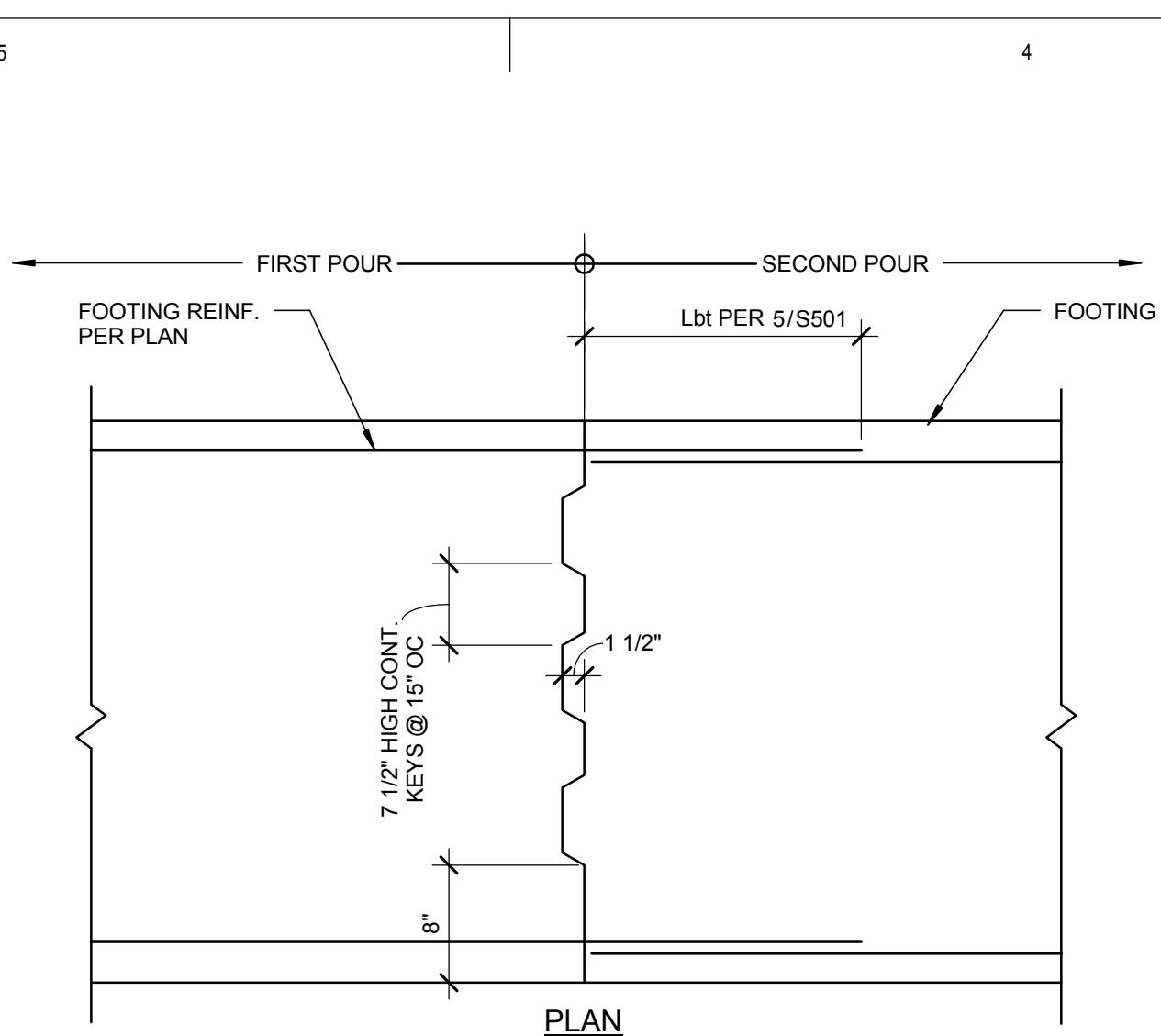
MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

SHEET NAME:

TYPICAL CONCRETE DETAILS

S501

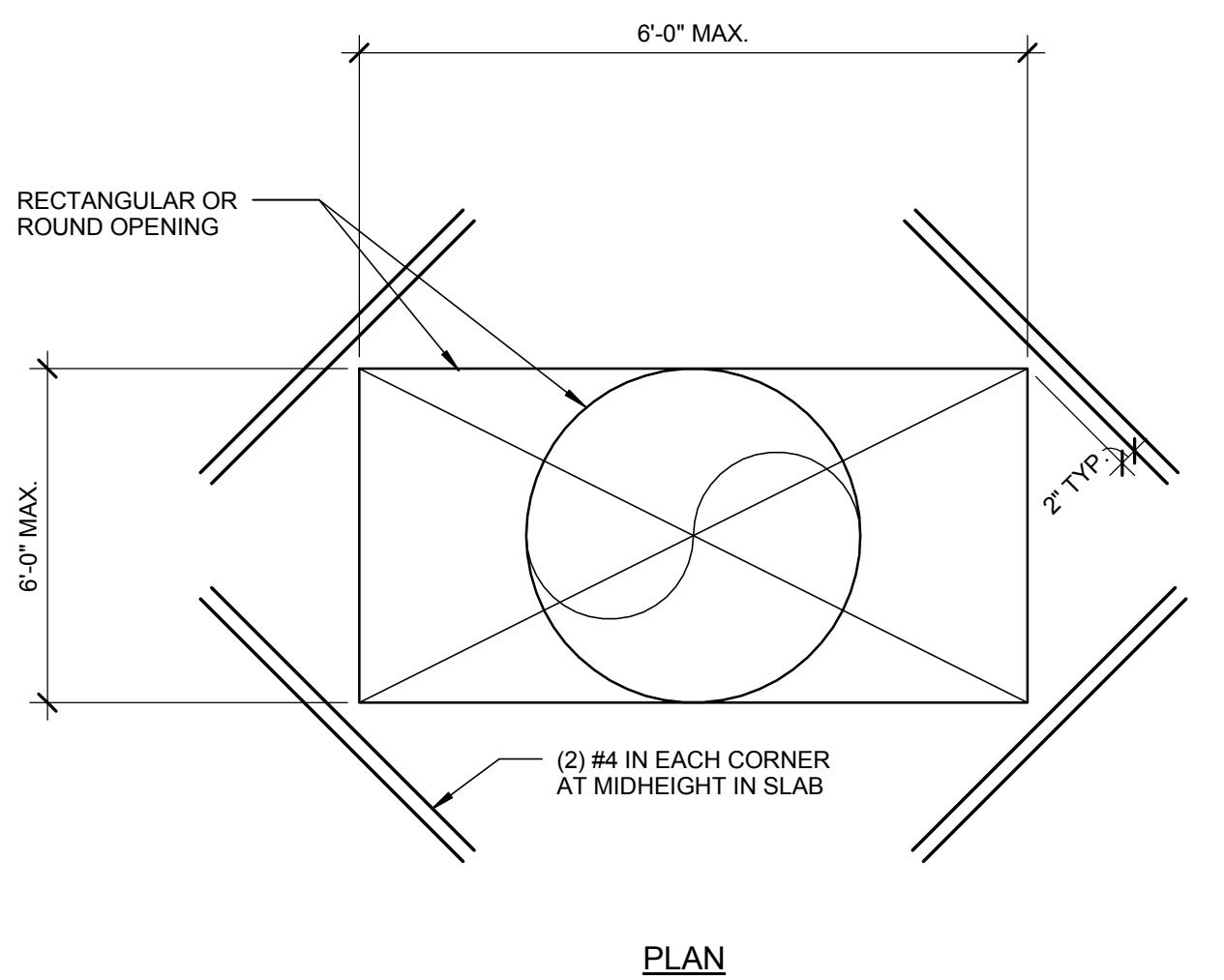


NOTE:

WHERE CONTINUOUS FOOTING IS UNDER A WALL, LOCATE CONSTRUCTION JOINT AT 1/4 OF THE CLEAR OPENING WIDTH ABOVE FROM FACE OF OPENING, OR IN MIDDLE 1/3 OF THE DISTANCE BETWEEN COLUMNS.

6 CONT FOOTING CONSTRUCTION JOINT

SCALE : 1" = 1'-0"

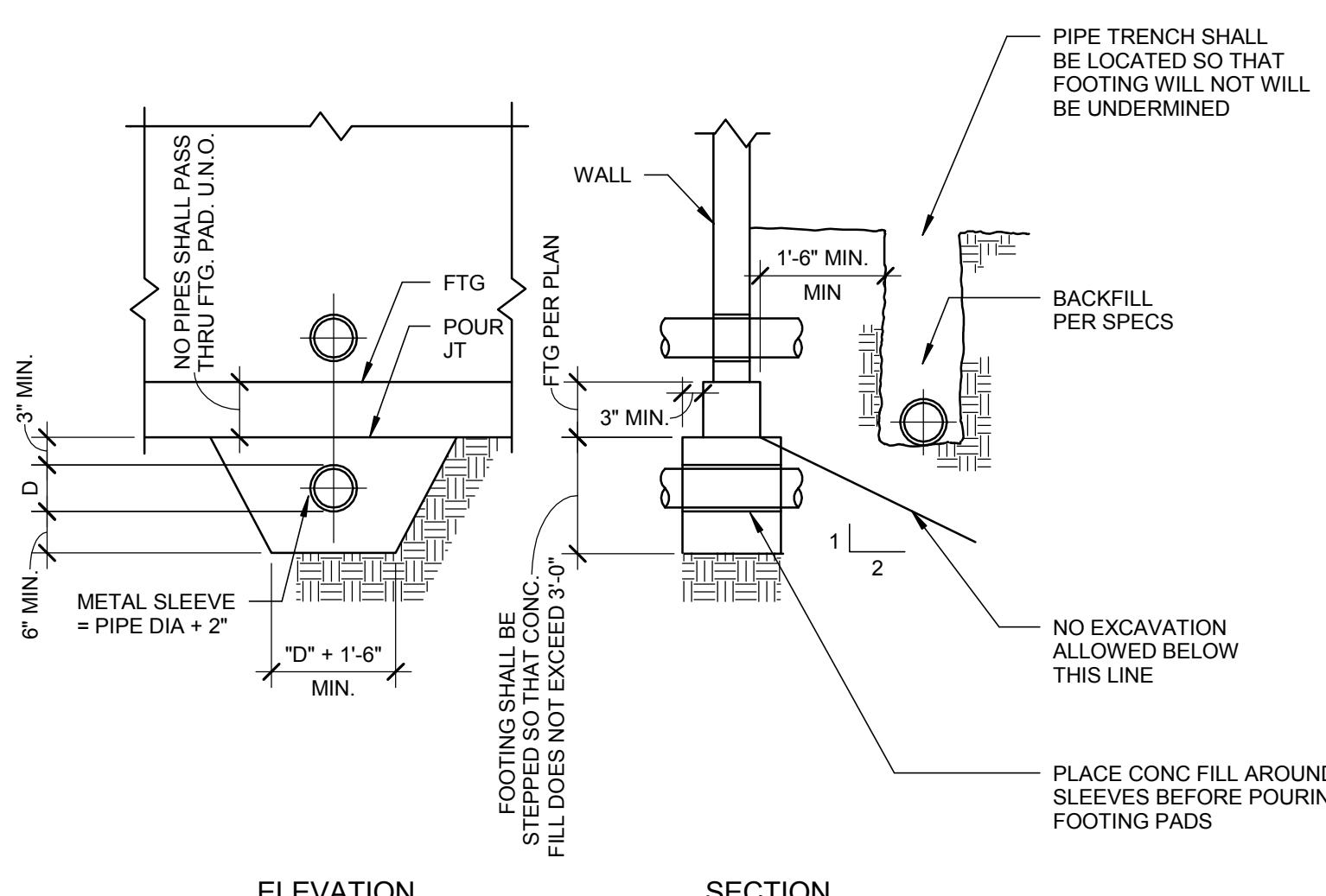


NOTE:

ELIMINATE BARS AND KEYED JOINT IF OPENING IS LESS THAN 2'-0".

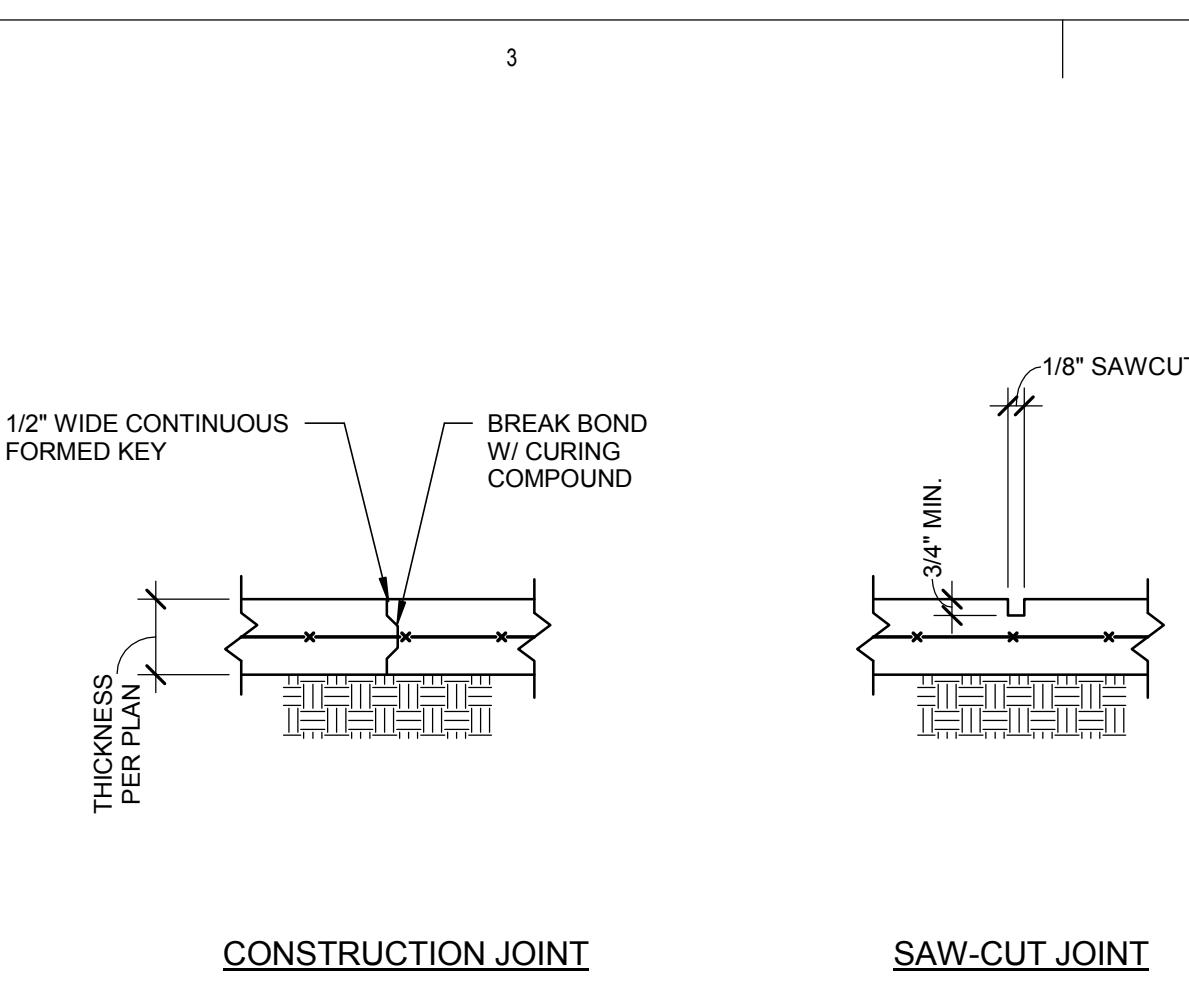
7 OPENING IN SLAB-ON-GRADE

SCALE : 1" = 1'-0"



8 PIPE RENCH/FOOTING DETAIL

SCALE : 1" = 1'-0"



NOTES:

1. CONTROL JOINTS TO BE LOCATED AT COLUMN CENTER LINES AND AT 10'-0" MAX AND EVERY 400 SQUARE FEET.
2. IF SAW-CUT CONTROL JOINT TO BE USED, SAW-CUT WITHIN 24 HOURS OF POUR.
3. CONSTRUCTION JOINT TO BE LOCATED AS PER NOTE #1 UNLESS SPECIFICALLY INDICATED ON PLANS.

4 SLAB-ON-GRADE JOINTS

SCALE : 1" = 1'-0"

fc= 3,000 psi

Size	Ld	Ldt	Lb	Lbt	Ldh
#4	22	28	28	37	11
#5	27	36	36	46	14
#6	33	43	43	56	16
#7	48	62	62	81	19
#8	55	71	71	93	22
#9	62	80	80	104	25
#10	70	90	90	118	28
#11	77	100	100	131	31

fc= 4,000 psi

fy = 60,000 psi

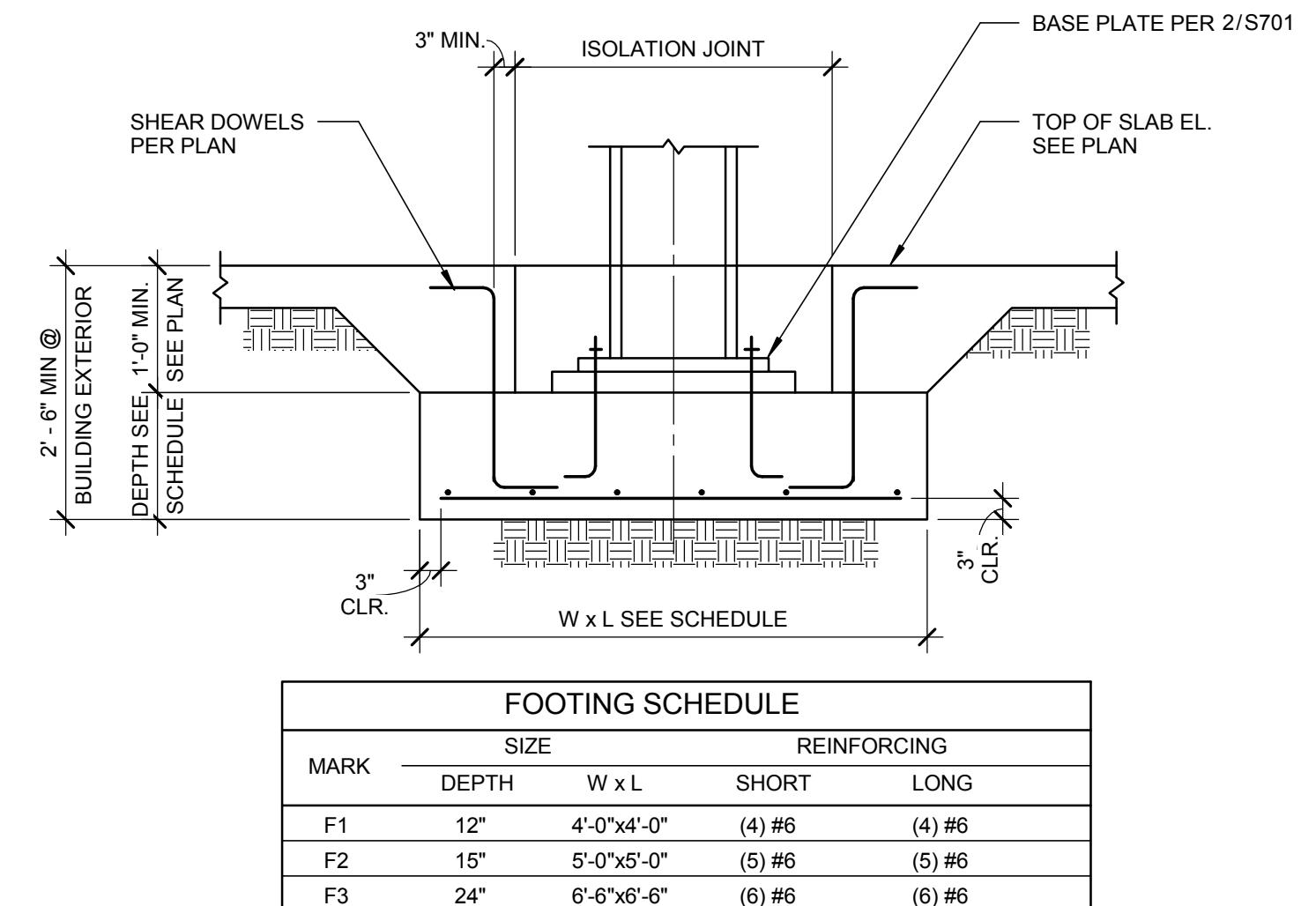
Size	Ld	Ldt	Lb	Lbt	Ldh
#4	19	25	25	32	9
#5	24	31	31	40	12
#6	28	37	37	48	14
#7	42	54	54	70	17
#8	47	62	62	80	19
#9	54	70	70	90	21
#10	60	78	78	102	24
#11	67	87	87	113	27

ABBREVIATIONS

- db = BAR DIAMETER
 Ld = TENSION DEVELOPMENT LENGTH
 Ldt = TENSION DEVELOPMENT LENGTH FOR A TOP BAR
 Lb = CLASS B LAP SPLICE LENGTH, 1.3 Ld
 Lbt = CLASS B LAP SPLICE LENGTH FOR A TOP BAR, 1.3 Ldt
 Ldh = TENSION DEVELOPMENT LENGTH FOR A STANDARD HOOK
 SEE DETAIL 2/S501 FOR STANDARD HOOK DETAIL REQUIREMENTS

5 DEVELOPMENT AND SPLICE LENGTH SCHEDULE

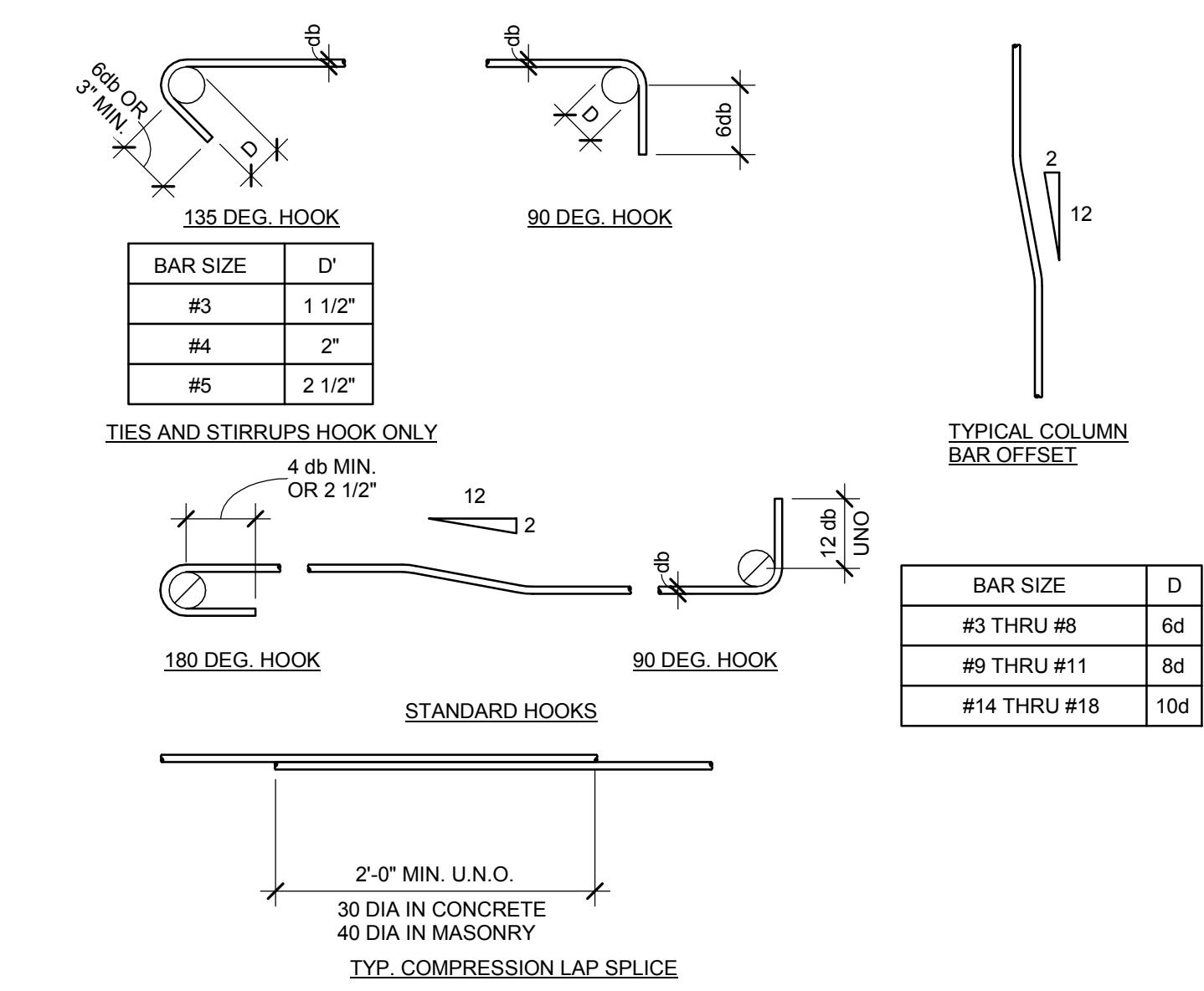
SCALE : 1" = 1'-0"



FOOTING SCHEDULE				
MARK	SIZE	DEPTH	W x L	REINFORCING
F1	12"	4'-0"x4'-0"	(4) #6	(4) #6
F2	15"	5'-0"x5'-0"	(5) #6	(5) #6
F3	24"	6'-6"x6'-6"	(6) #6	(6) #6

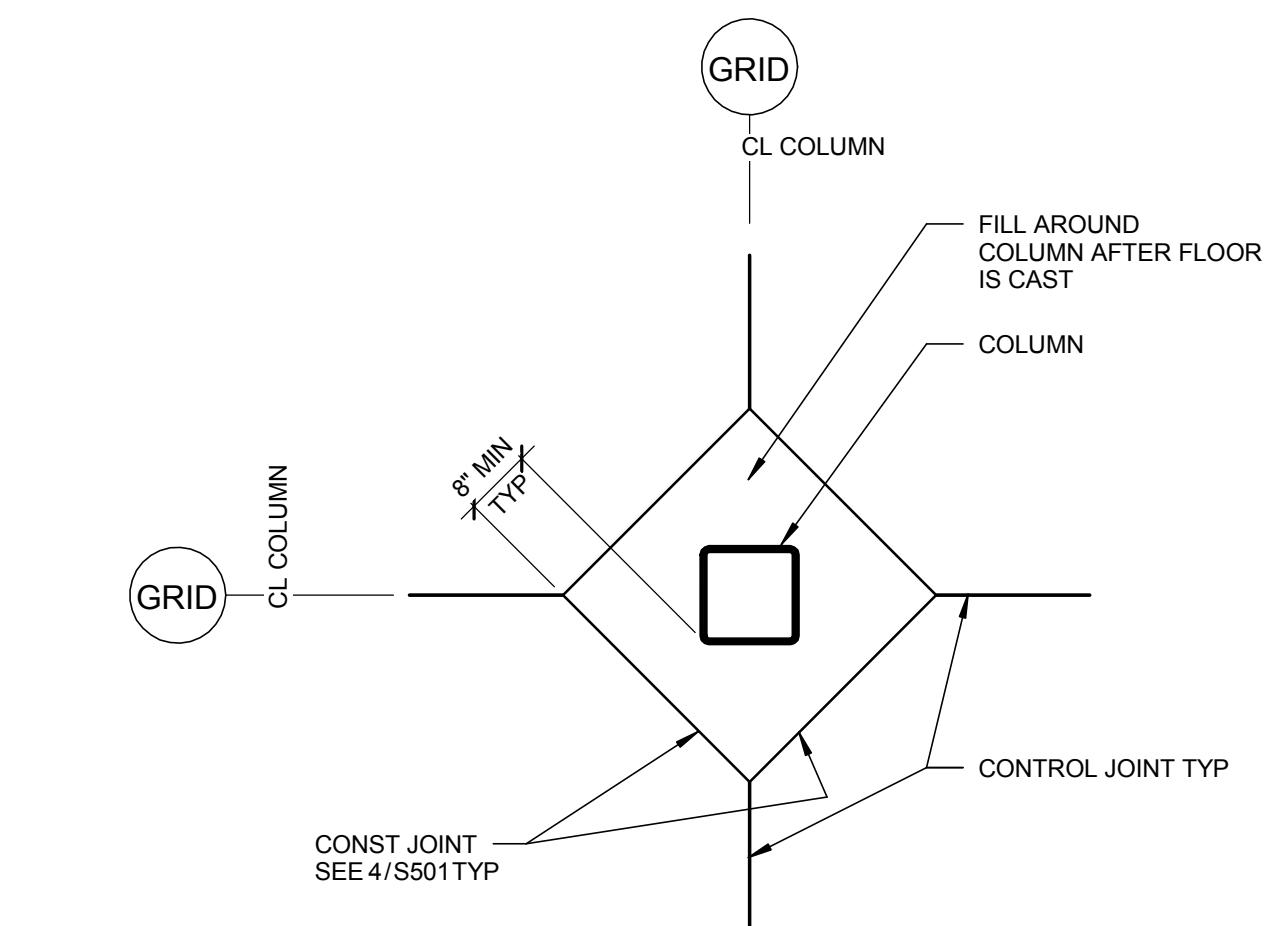
1 TYPICAL PAD FOOTING DETAIL

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



2 REINFORCING BAR BENDING DETAIL

SCALE : 1" = 1'-0"



3 ISOLATION AT COLUMN AND SLAB-ON-GRADE

SCALE : 1" = 1'-0"

11.09.15

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 201 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

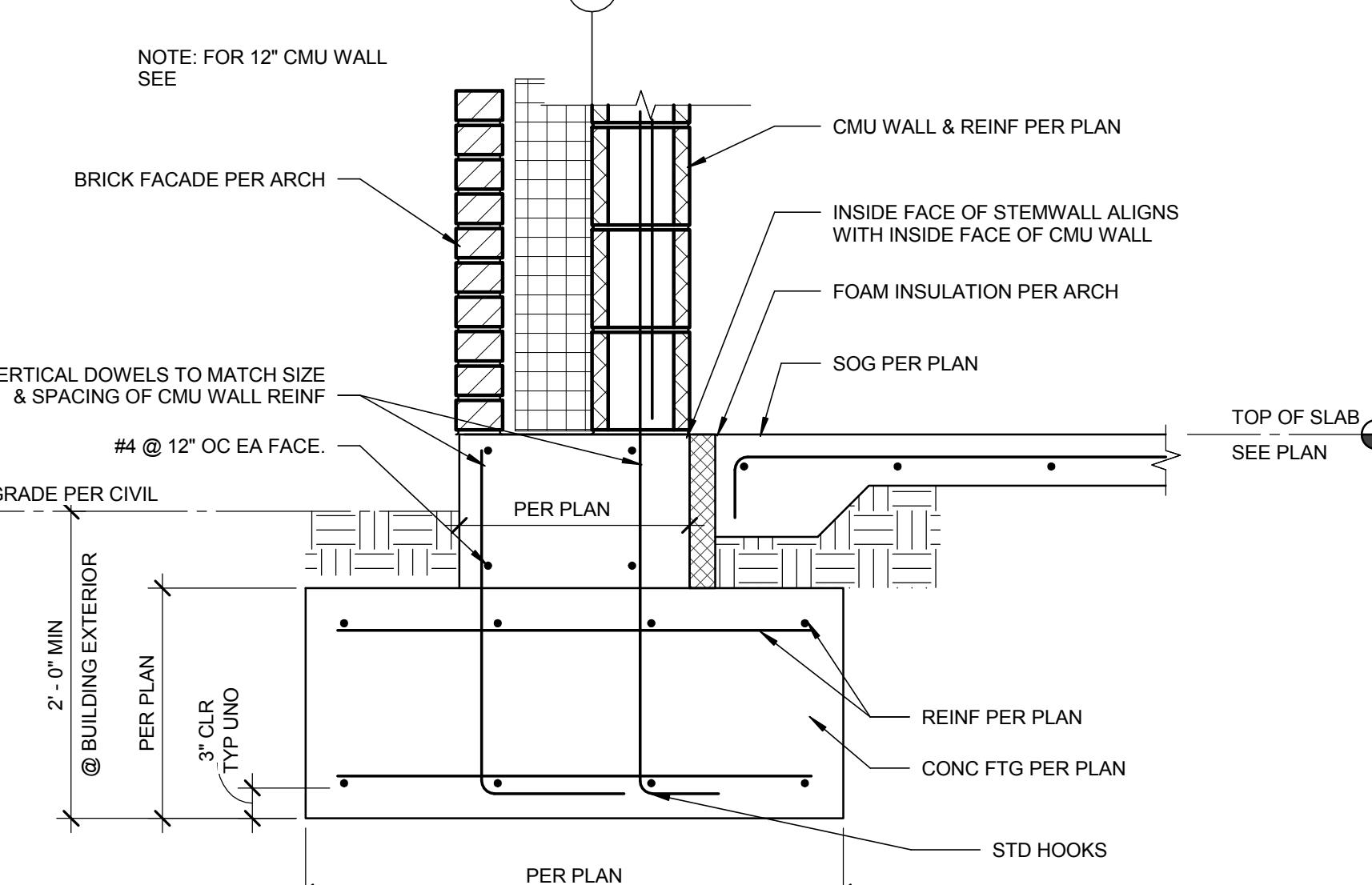
REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	NLP
SHEET NAME:	

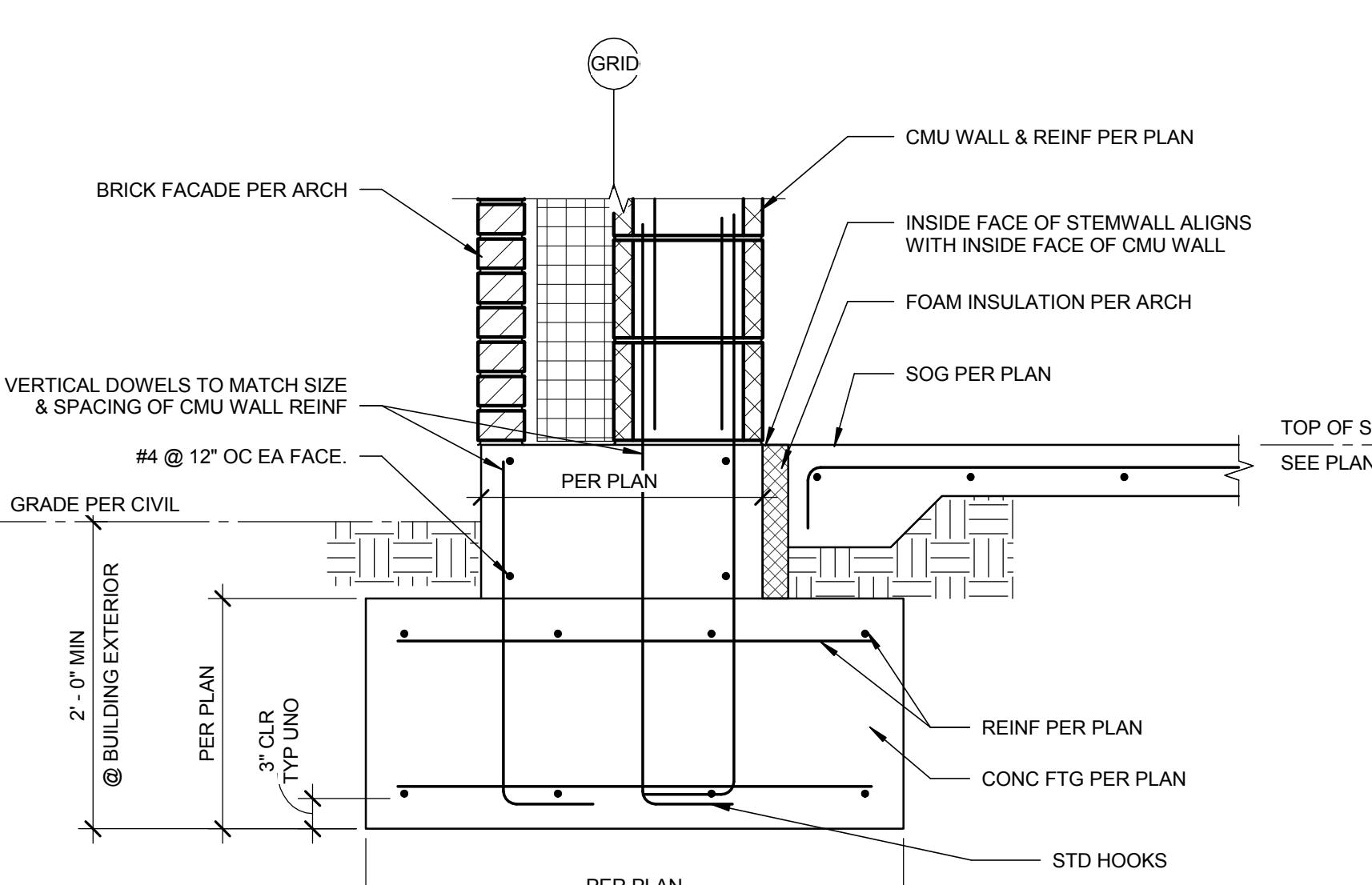
TYPICAL CONCRETE DETAILS

S502



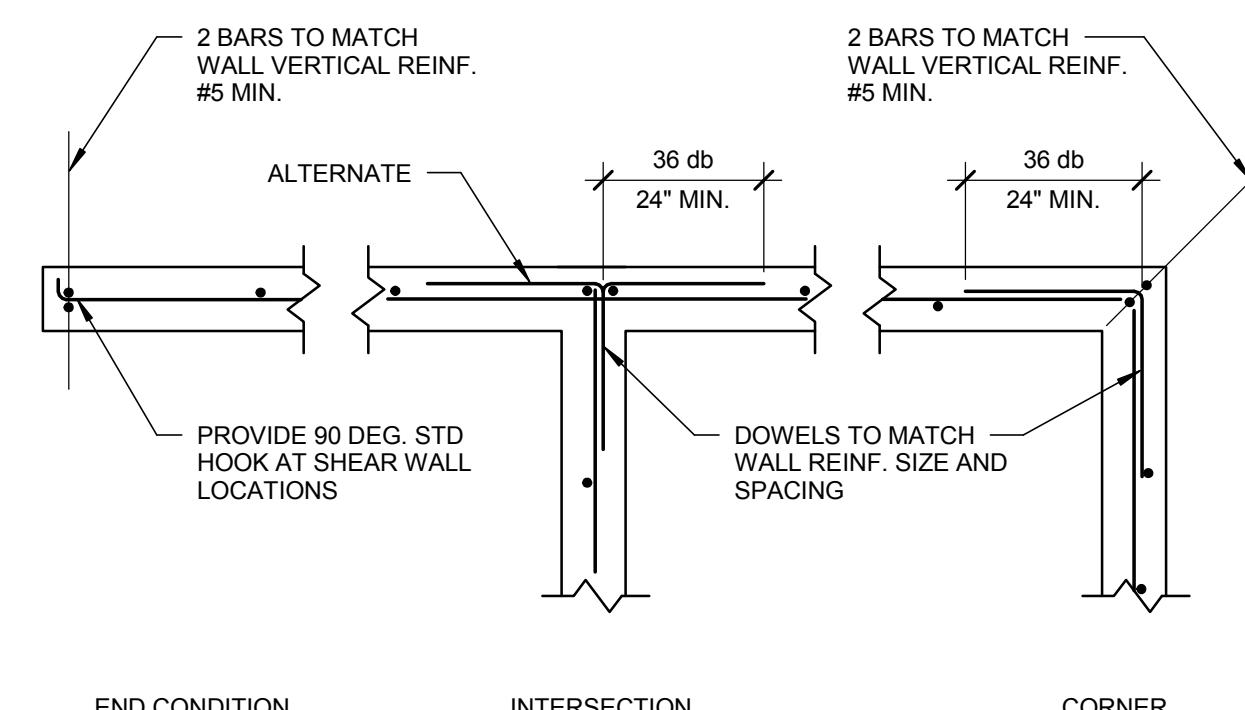
4 FOOTING AT 8" CMU WALL

SCALE : 1" = 1'-0"



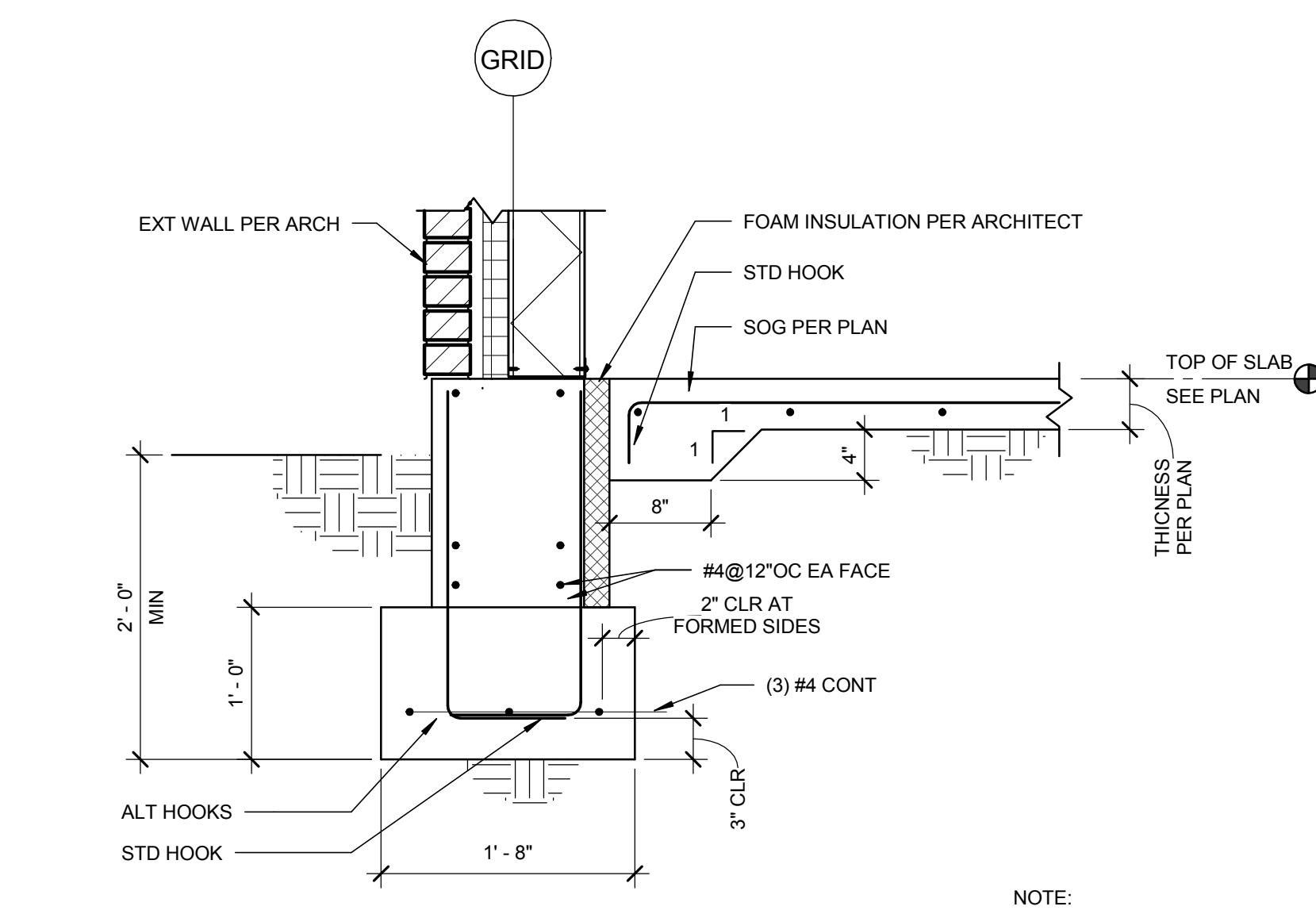
5 FOOTING AT 12" CMU WALL

SCALE : 1" = 1'-0"



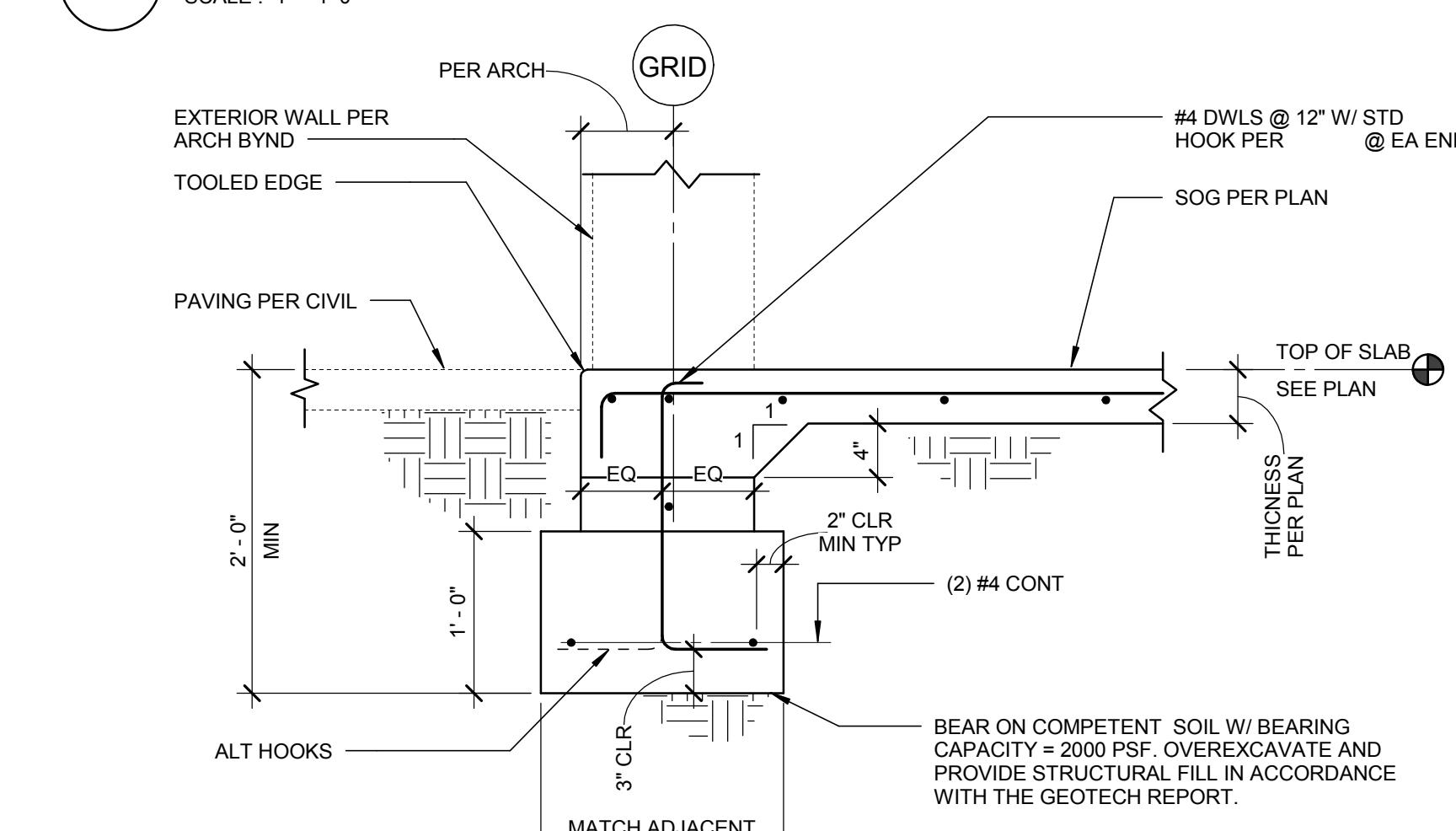
6 WALL DETAILS/SINGL LAYER REINFORCING

SCALE : 1" = 1'-0"



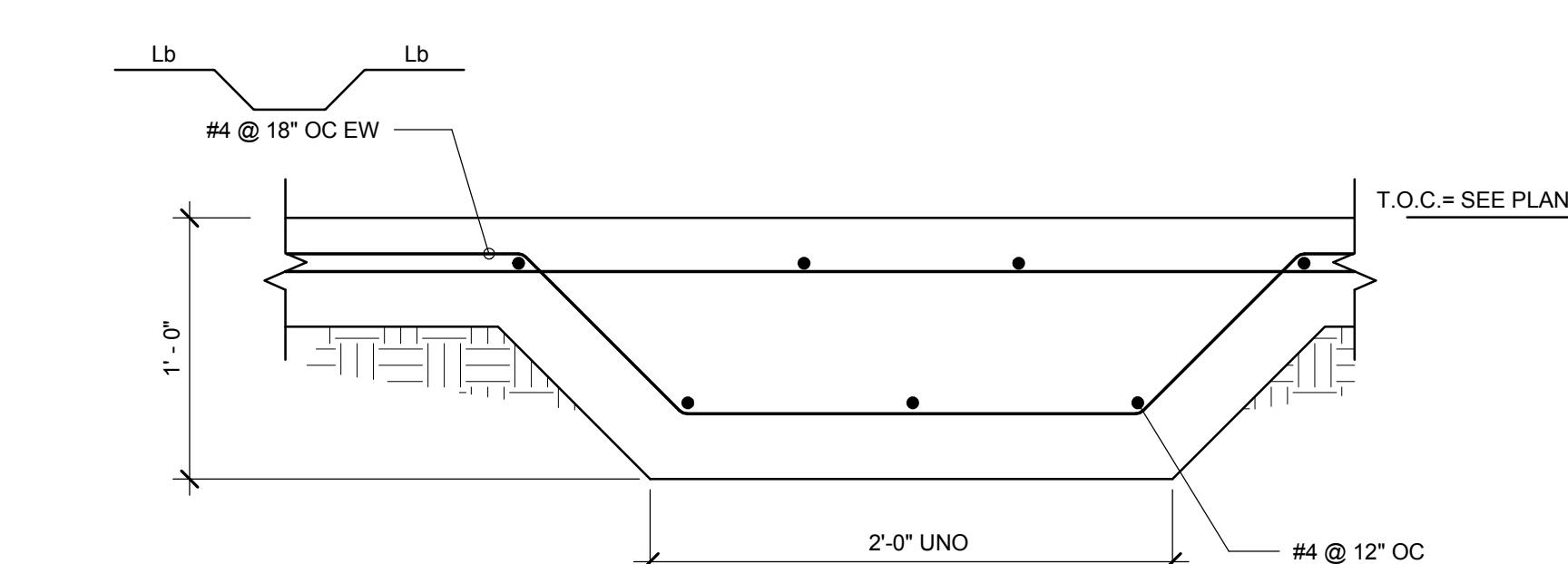
1 TYPICAL EDGE-OF-SLAB

SCALE : 1" = 1'-0"



2 EDGE OF SLAB-ON-GRADE AT WALL OPENINGS

SCALE : 1" = 1'-0"



3 THICKENED SLAB-ON-GRADE

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

ARCHITECT: _____

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A
architecture • planning
TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

NOT FOR CONSTRUCTION

CONSULTANT: _____

kpff
412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:


BOISE CITY OF TREES
CITY OF TREES
BOISE FIRE
FIRE DEPARTMENT
DEDICATION
City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:
MARK DATE DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author
SHEET NAME:	
TYPICAL MASONRY DETAILS	
SHEET NUMBER:	
S601	

5 CMU DEEP BEAM
SCALE: 1" = 1'-0"

6 CMU KNOCKOUT PANEL
SCALE: 1" = 1'-0"

1 TYPICAL REINFORCING AT PARTIALLY GROUTED CMU WALLS
SCALE: 1" = 1'-0"

2 CMU WALL INTERSECTION AND CORNER DETAIL
SCALE: 1" = 1'-0"

3 PILASTER DETAIL
SCALE: 1" = 1'-0"

4 TYPICAL CMU CONTROL JOINTS
SCALE: 1" = 1'-0"

A ELEVATION
NOTES:
1. SEE 4/S601 FOR SPACING AND DETAIL OF CMU CONTROL JOINTS.
2. STANDARD HOOKS IN MASONRY, WHERE SHOWN, SHALL HAVE A TAIL LENGTH EQUAL TO 12x BAR DIAMETER.
3. SEE 2/S601 AT WALL CORNERS AND INTERSECTIONS.

B GROUT FILLED U-BLOCK BOND BEAM @ OPENINGS

C GROUT FILLED BOND BEAM

NOT FOR CONSTRUCTION

CONSULTANT:

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:

City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE: 75% CD

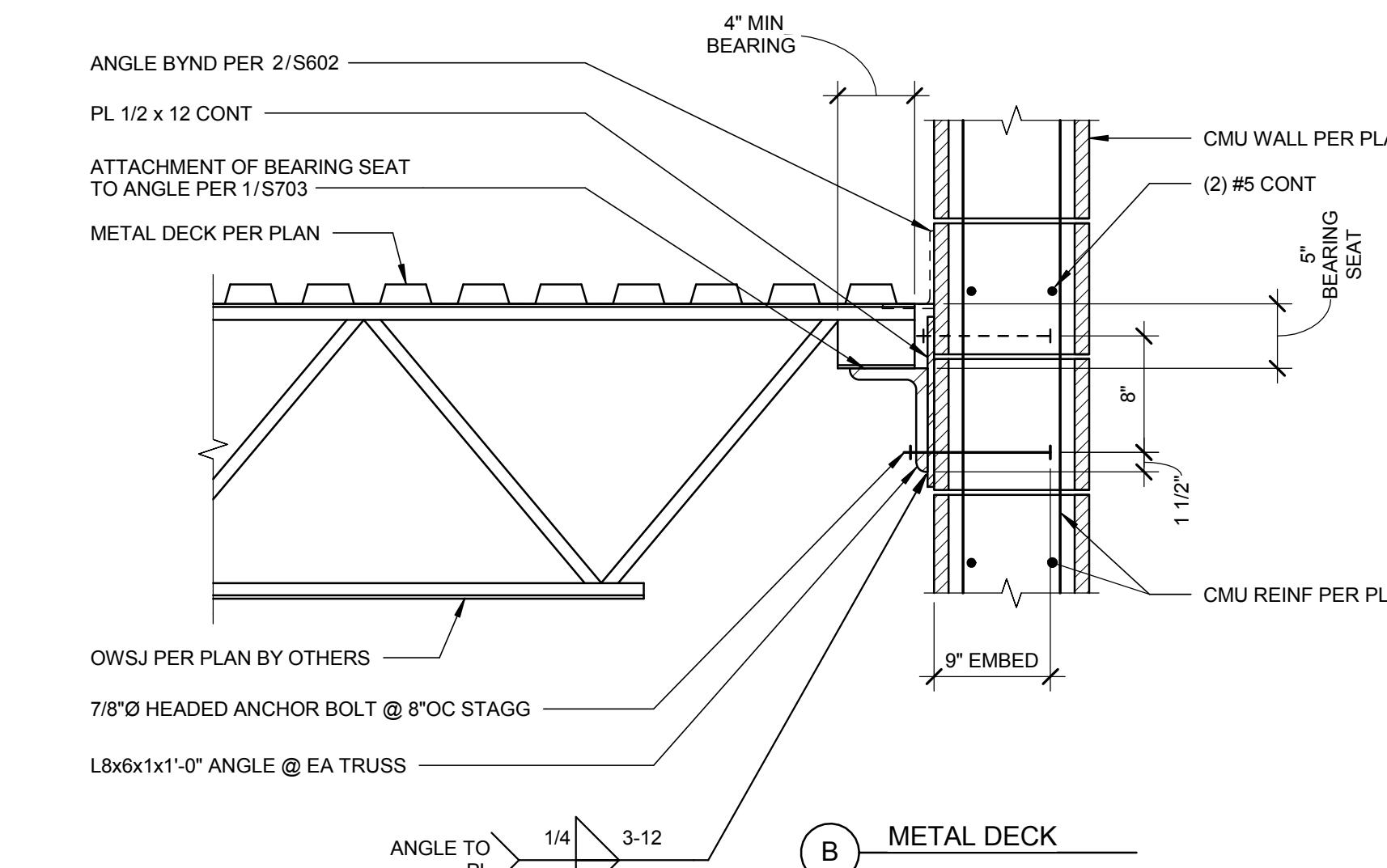
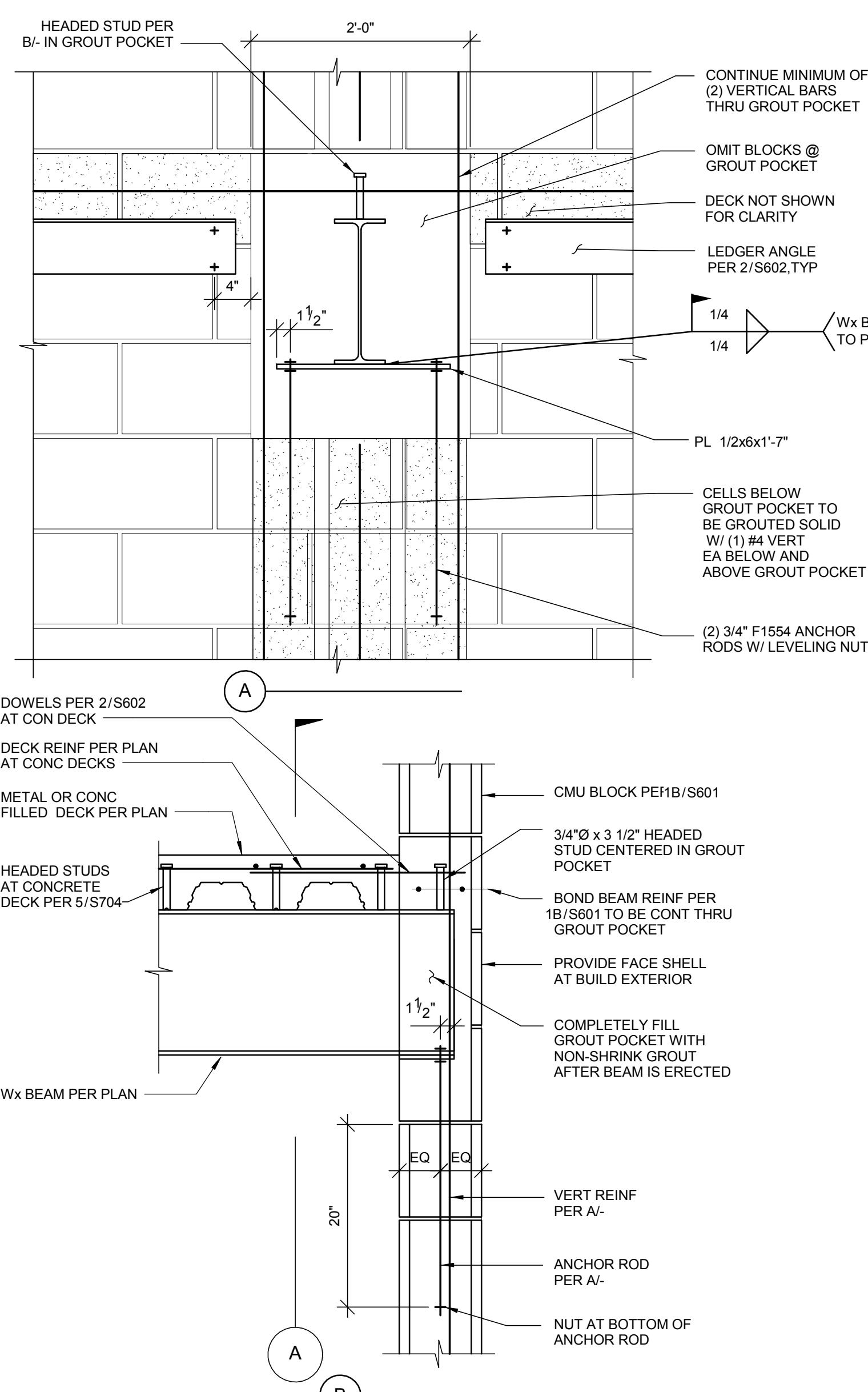
PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	NLP

SHEET NAME:

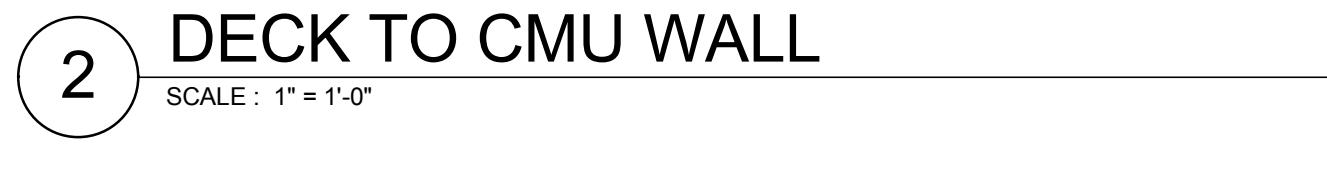
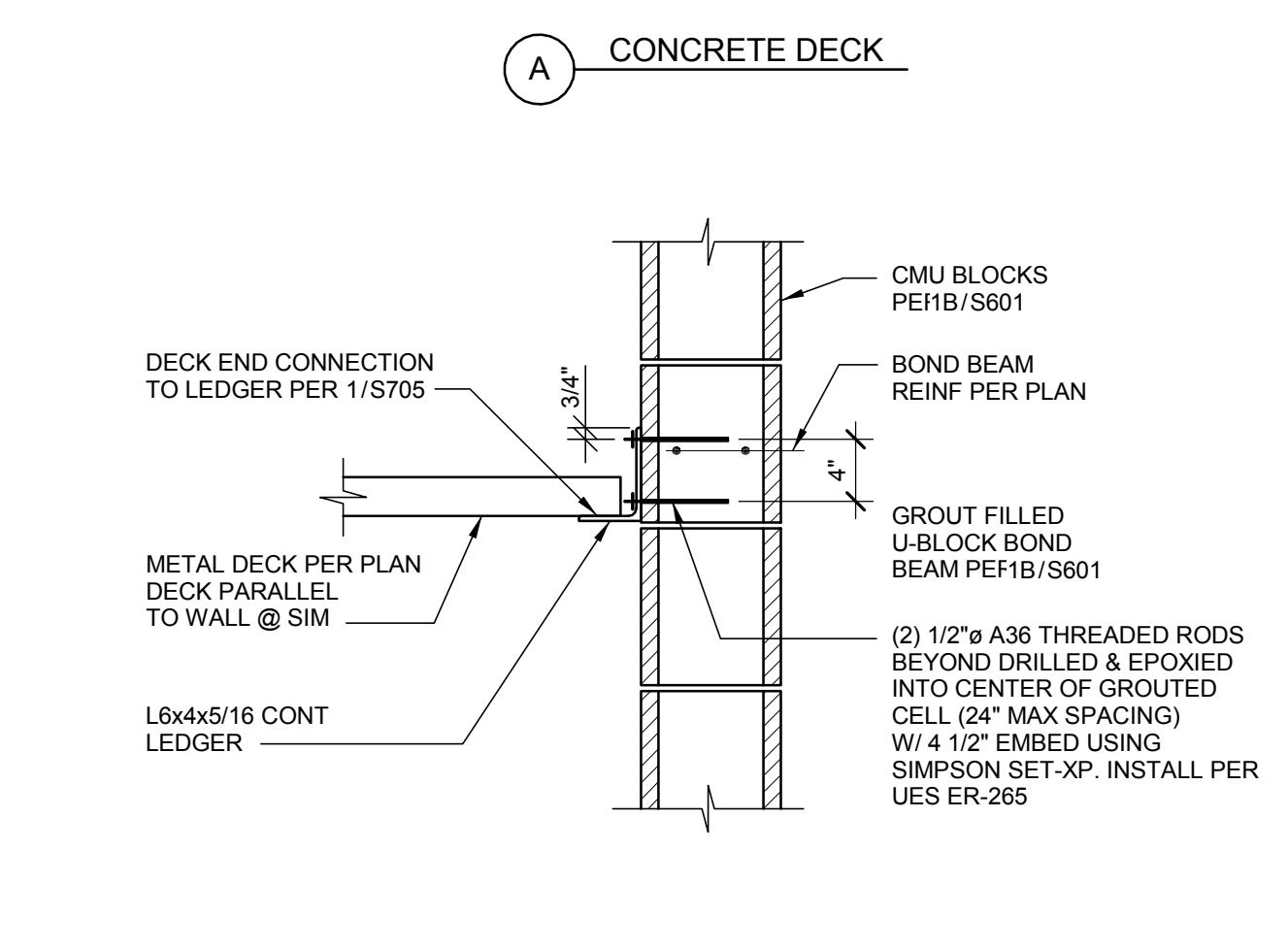
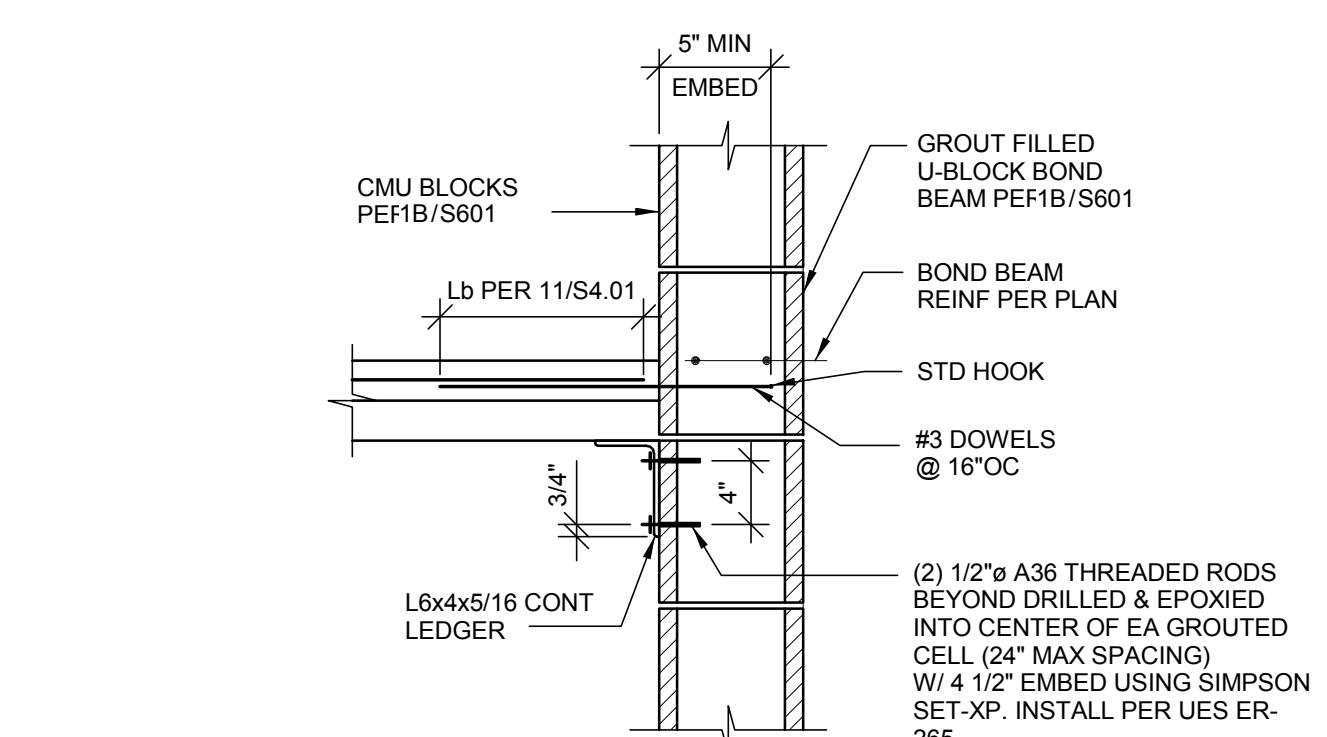
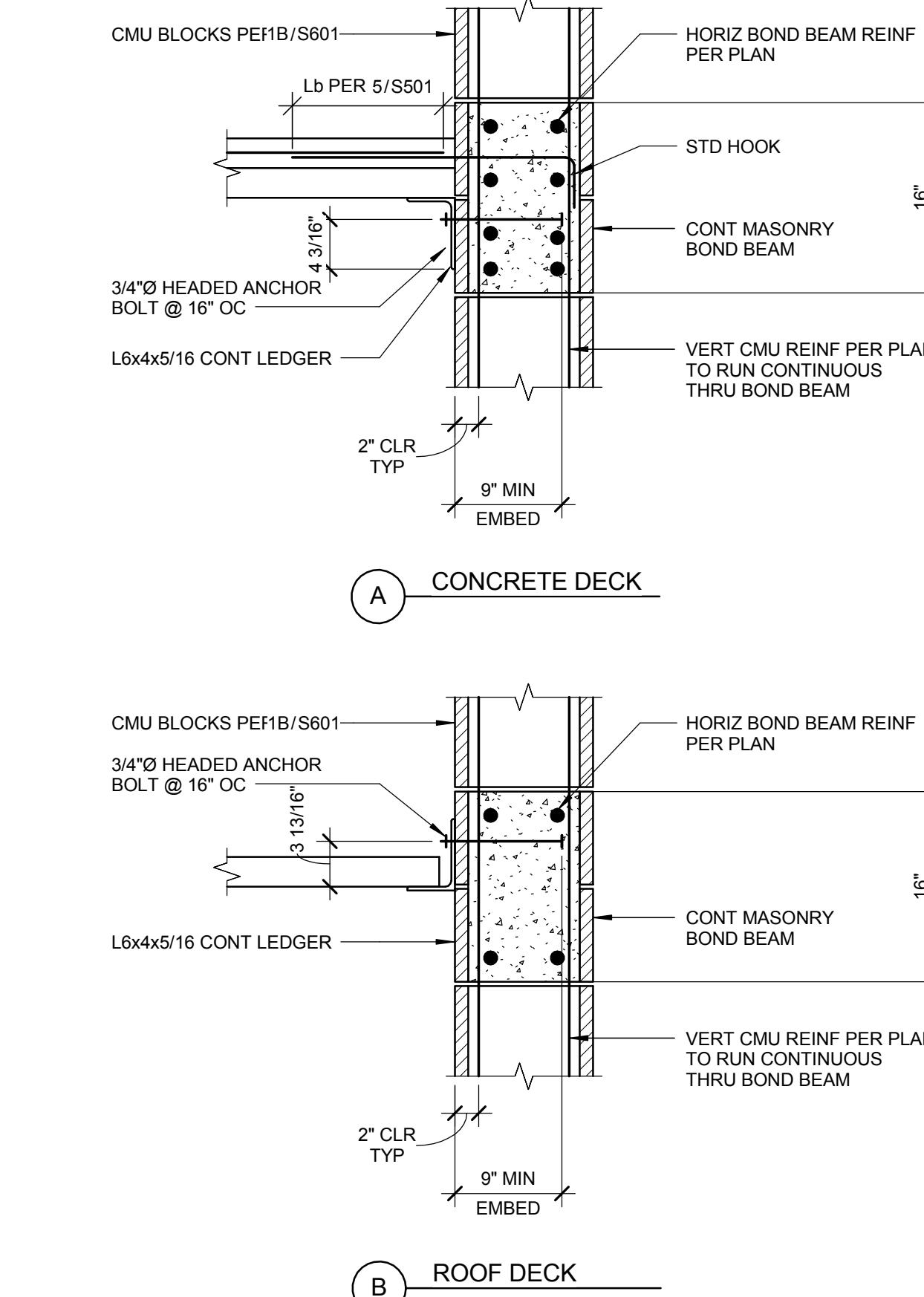
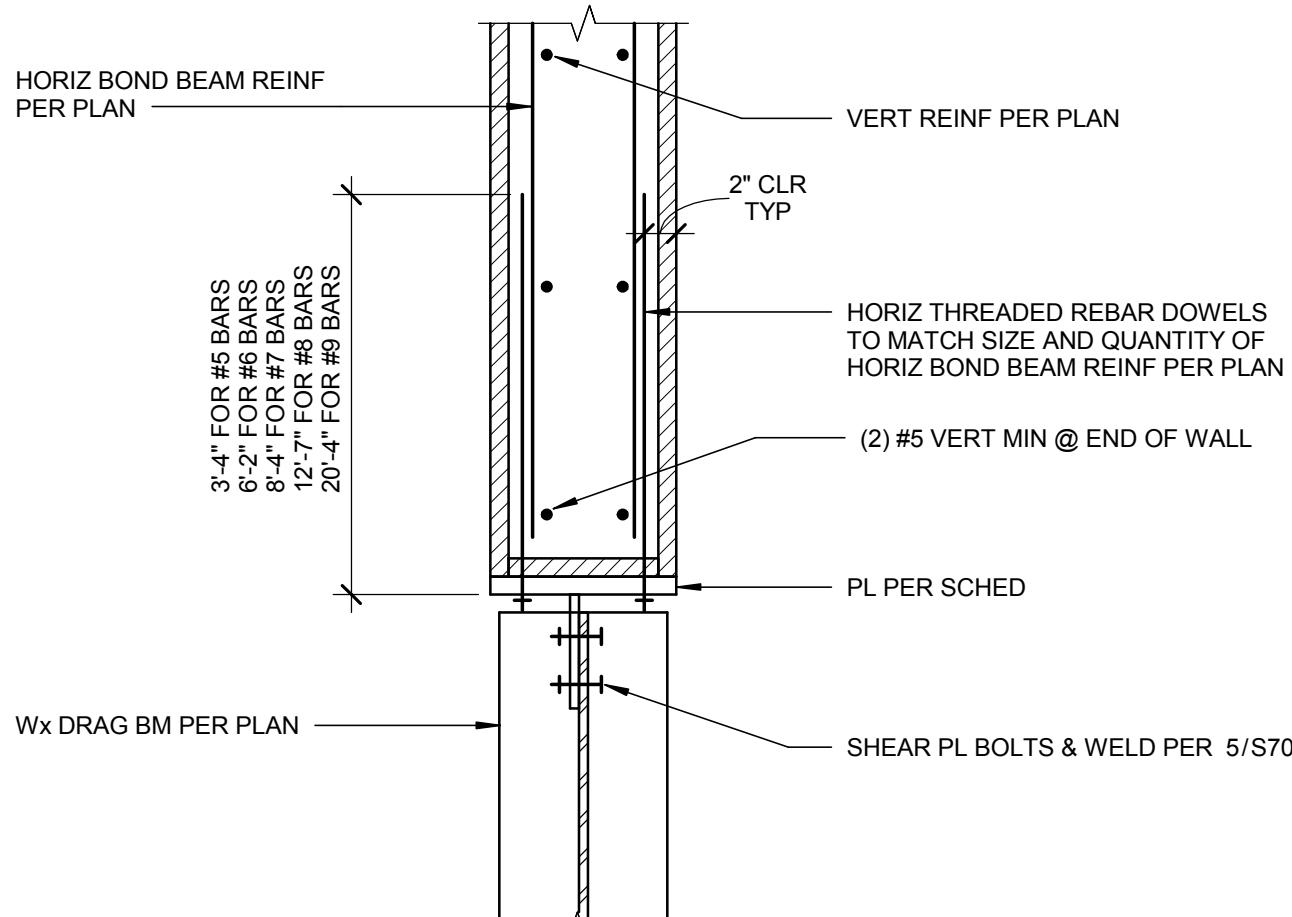
TYPICAL MASONRY DETAILS

SHEET NUMBER:

S602



HORZ BOND BEAM REINF PER PLAN	PLATE THICKNESS	PLATE DEPTH	PLATE WIDTH
#5	3/4"	8"	MATCH WALL WIDTH
#7	1 1/2"	16"	MATCH WALL WIDTH
#8	1 5/8"	16"	MATCH WALL WIDTH
#9	2"	16"	MATCH WALL WIDTH



NOT FOR CONSTRUCTION

CONSULTANT:


 412 E. Parkcenter Blvd, Suite 204
 Boise, ID 83706
 O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:


City of Boise Fire Station #8
 3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE 75% CD

PROJECT NUMBER 114747.2

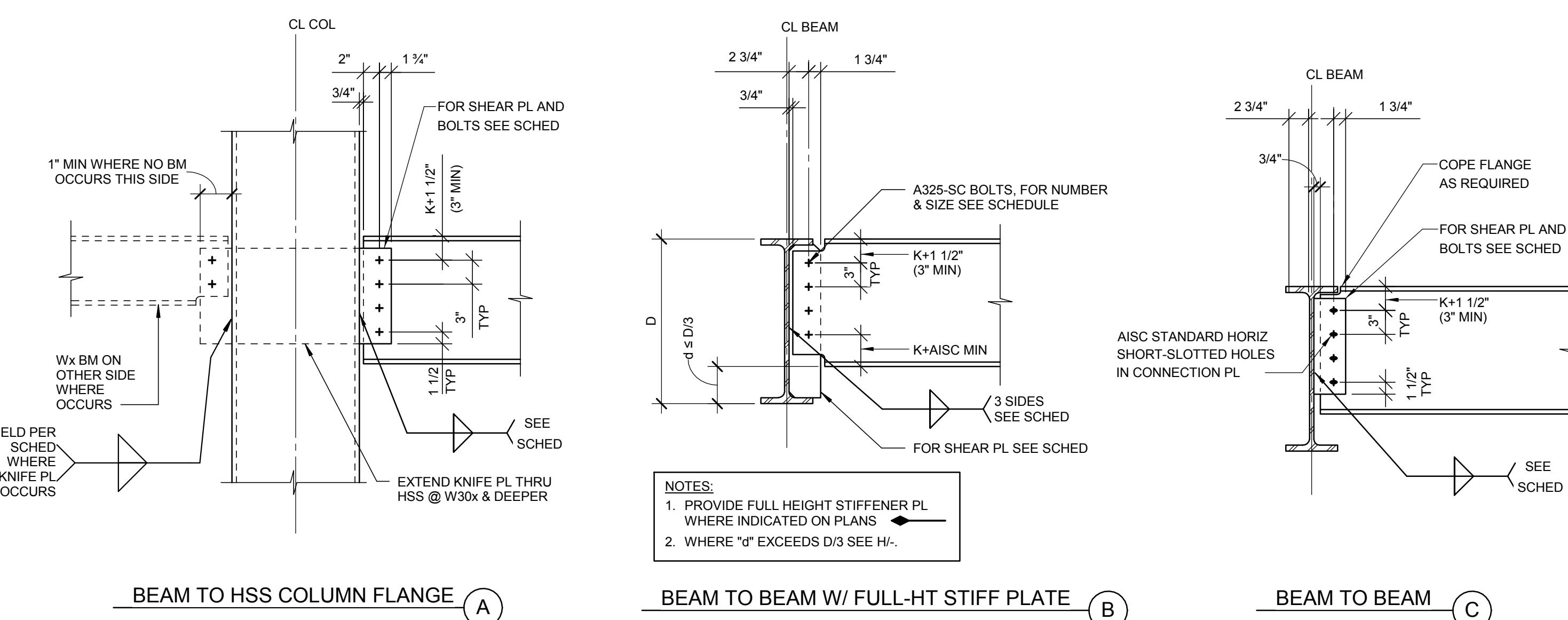
PROJECT MANAGER R. TeBeau

PROJECT ARCHITECT R. TeBeau

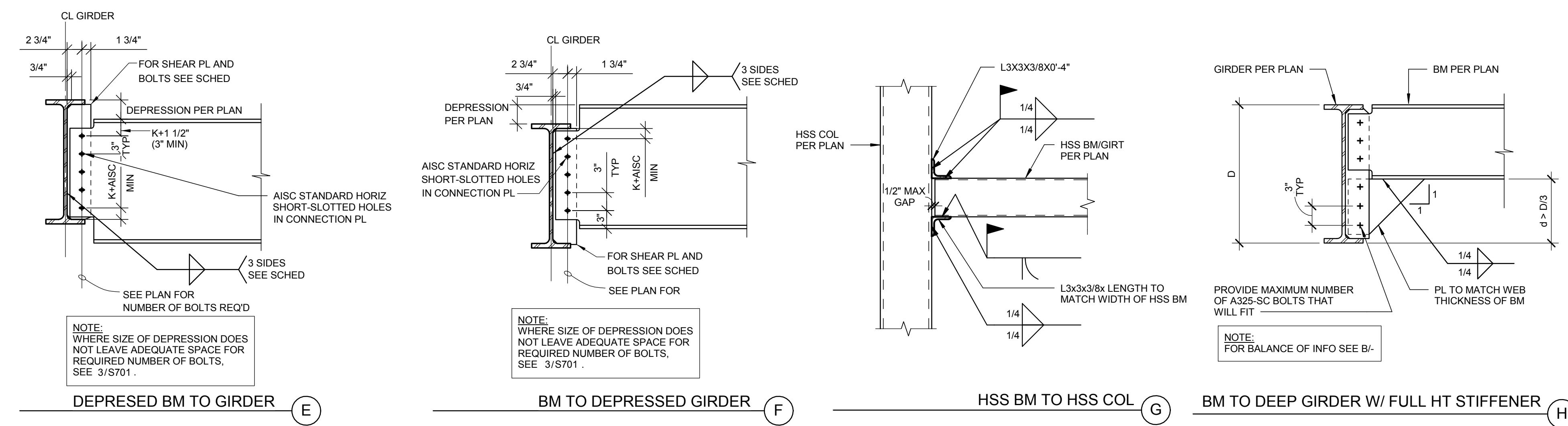
DESIGN B. Harris/R. TeBeau

DRAWN BY CCH

SHEET NAME:

TYPICAL STEEL DETAILS
S701

STANDARD BOLTED CONNECTION SCHEDULE			
BEAM SIZE	NO. & SIZE OF BOLTS REQUIRED	PLATE THICKNESS	WELD SIZE
W8 C8	(2) 7/8"Ø	1/4"	1/4"
W10 C10	(2) 7/8"Ø	1/4"	1/4"
W12 C12	(3) 7/8"Ø	1/4"	1/4"
W14	(3) 7/8"Ø	1/4"	1/4"
W16	(4) 7/8"Ø	3/8"	1/4"
W18	(4) 7/8"Ø	3/8"	1/4"
W21	(5) 7/8"Ø	3/8"	1/4"
W24	(6) 7/8"Ø	3/8"	1/4"
W27	(7) 7/8"Ø	3/8"	1/4"
W30	(8) 7/8"Ø*	1/2"	5/16"
W33	(9) 7/8"Ø*	1/2"	5/16"
W36	(10) 7/8"Ø*	1/2"	3/8"

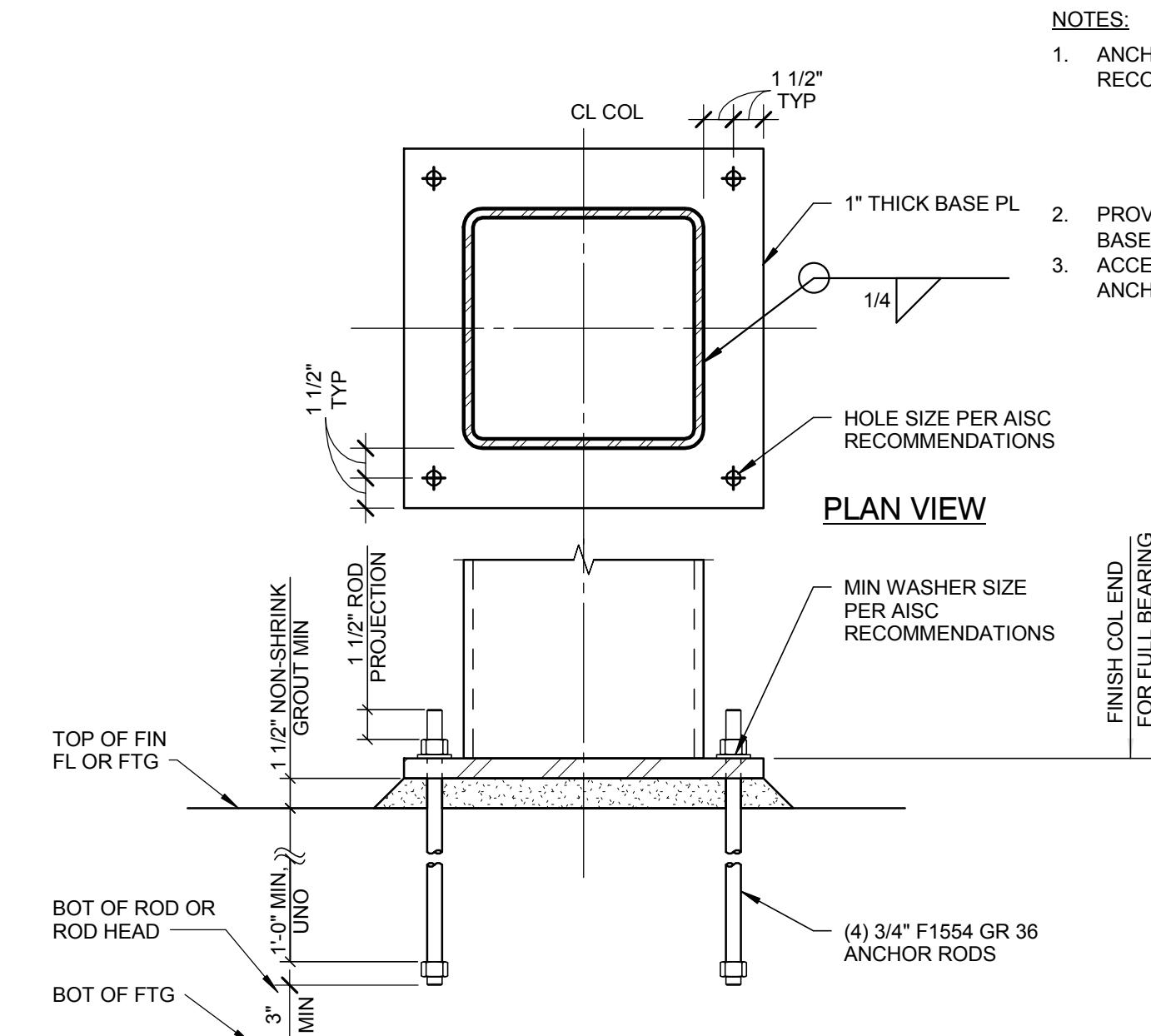
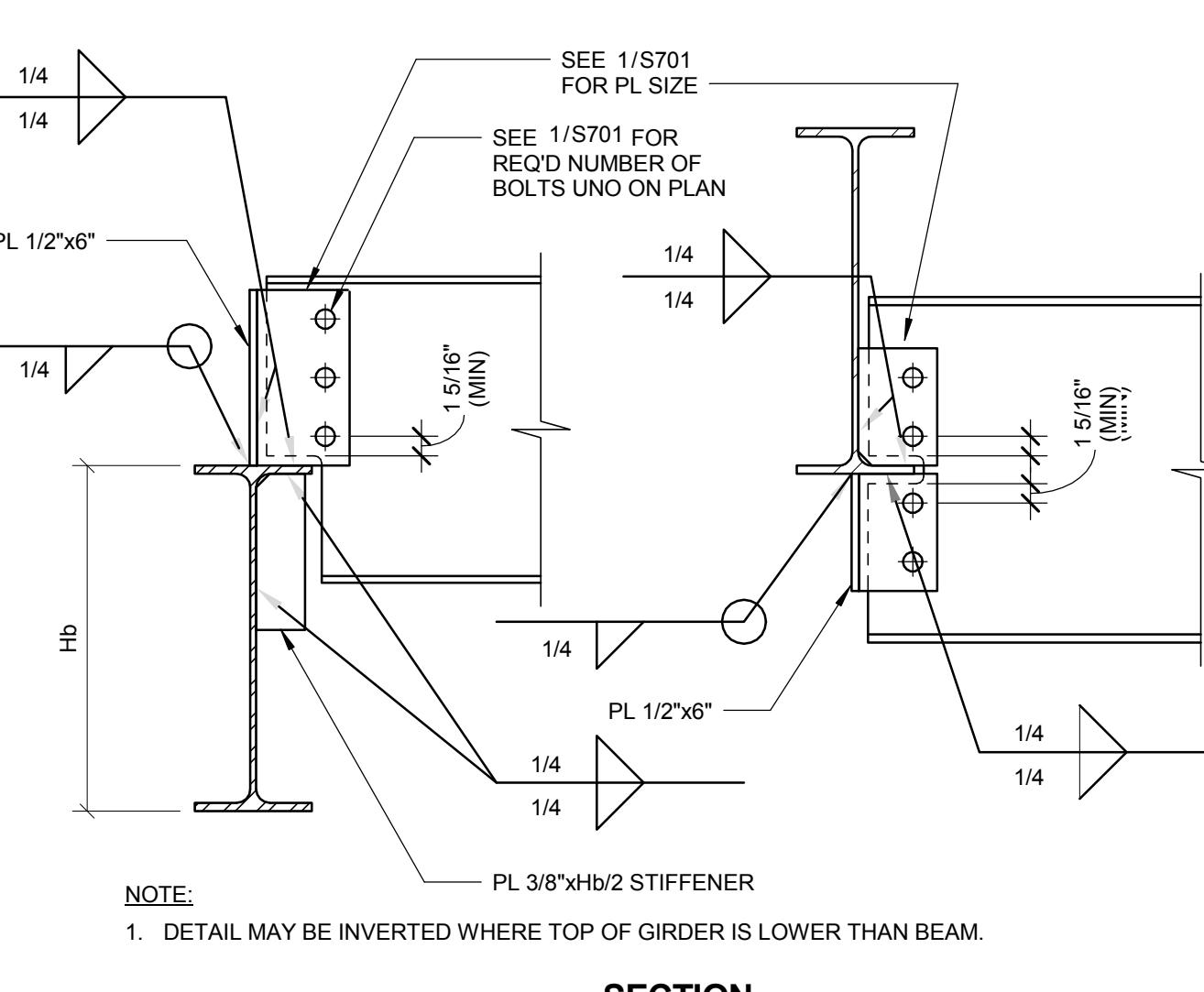
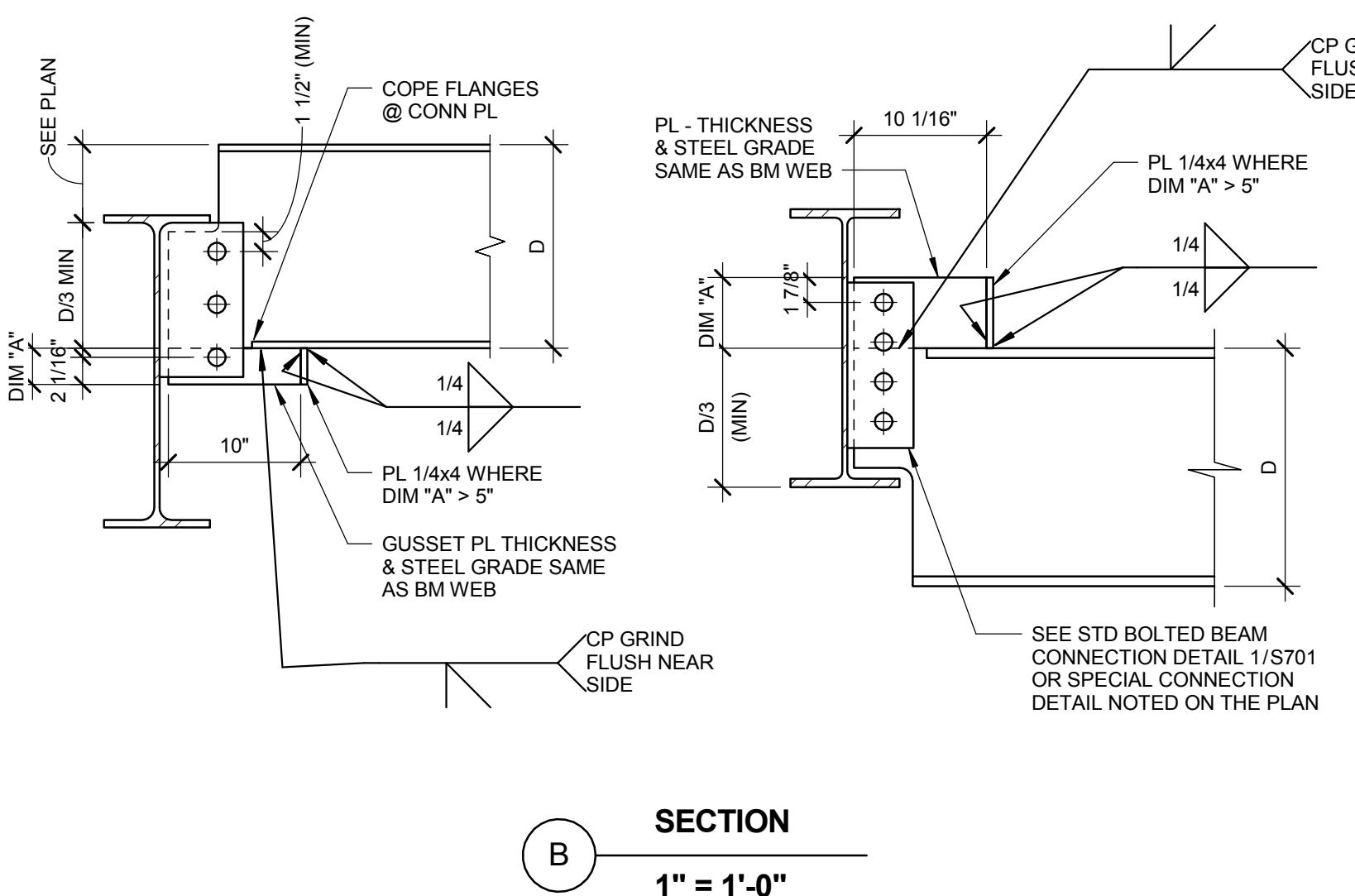


CONNECTION NOTES:

- ALL BOLTS TO BE ASTM A325-N AND FULLY PRETENSIONED PER AISC STANDARDS EXCEPT AS DESCRIBED IN NOTES 2 & 7.
- BOLTS IN BEAM TO BEAM CONNECTIONS SHALL BE TIGHTENED TO AISC "SNUG TIGHT" CONDITION UNLESS NOTED OTHERWISE IN DETAILS.
- CONNECTION PLATES TO HAVE AISC SHORT SLOTTED HOLES UNLESS NOTED OTHERWISE.
- USE A36 STEEL FOR ALL SHEAR TABS IN THIS DETAIL UNO.
- K' PER AISC, LARGER OF THE TWO CONNECTING BEAMS.
- BOLTS IN CONNECTIONS OF MEMBERS DESIGNATED AS PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS) TO BE A325-N SLIP CRITICAL BOLTS WITH CLASS-A FAYING SURFACE UNLESS NOTED OTHERWISE.

**STANDARD BOLTED BEAM CONNECTION DETAILS
- HSS COLUMNS AND BEAMS**

SCALE : 1" = 1'-0"


**TYPICAL CONNECTION FOR BEAMS
@ DIFFERENT ELEVATIONS**

SCALE : 1" = 1'-0"

TYPICAL GRAVITY COLUMN BASE PLATE

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

11.09.15

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf
412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

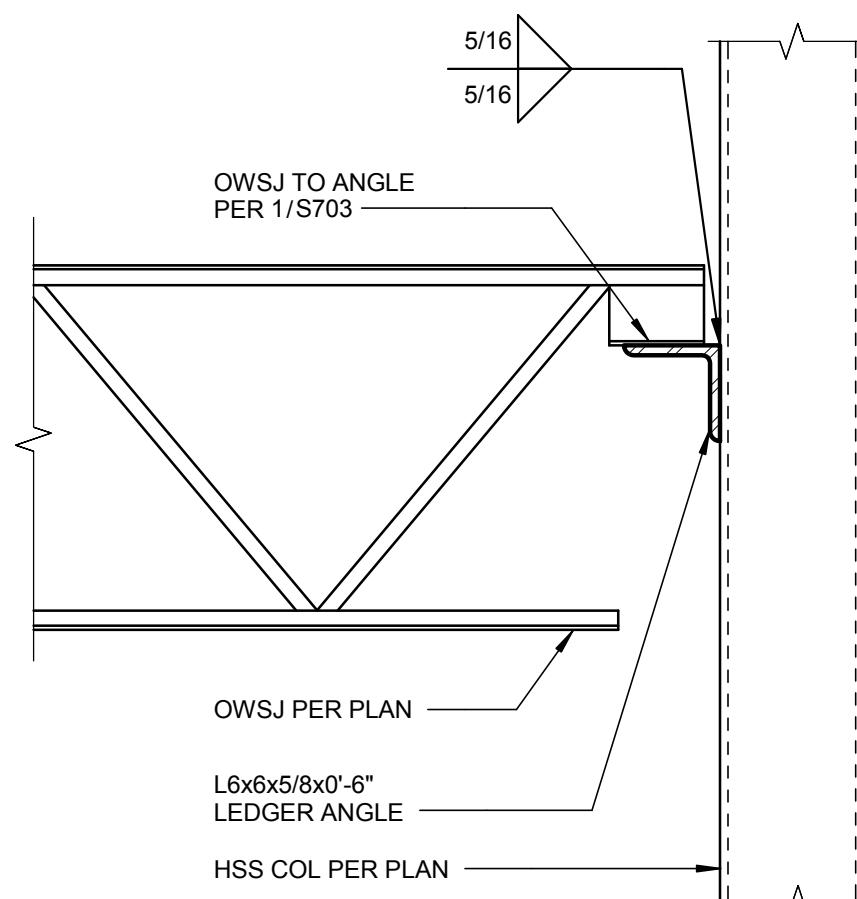
MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author
SHEET NAME:	

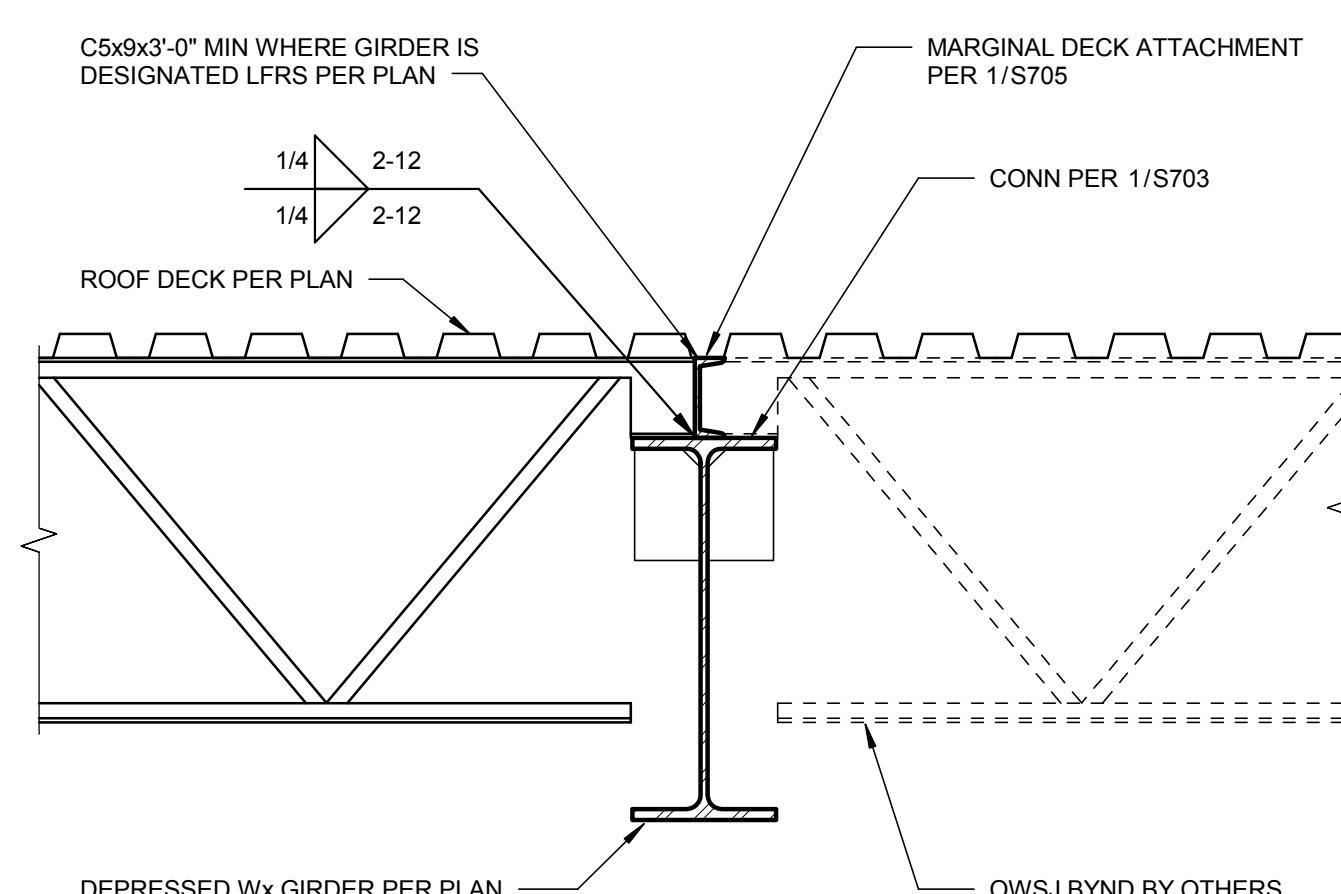
TYPICAL STEEL DETAILS

S703

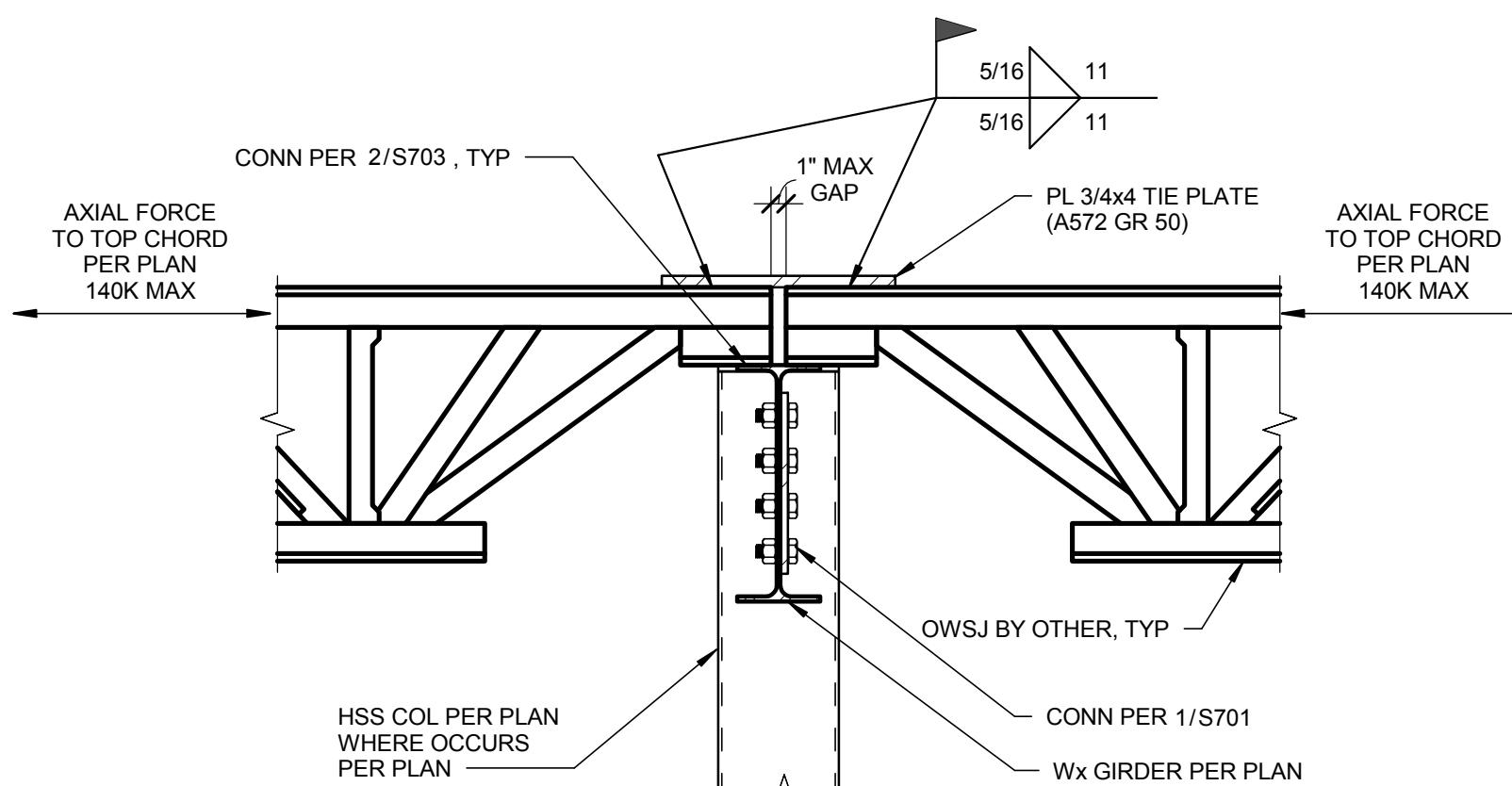
11.09.15



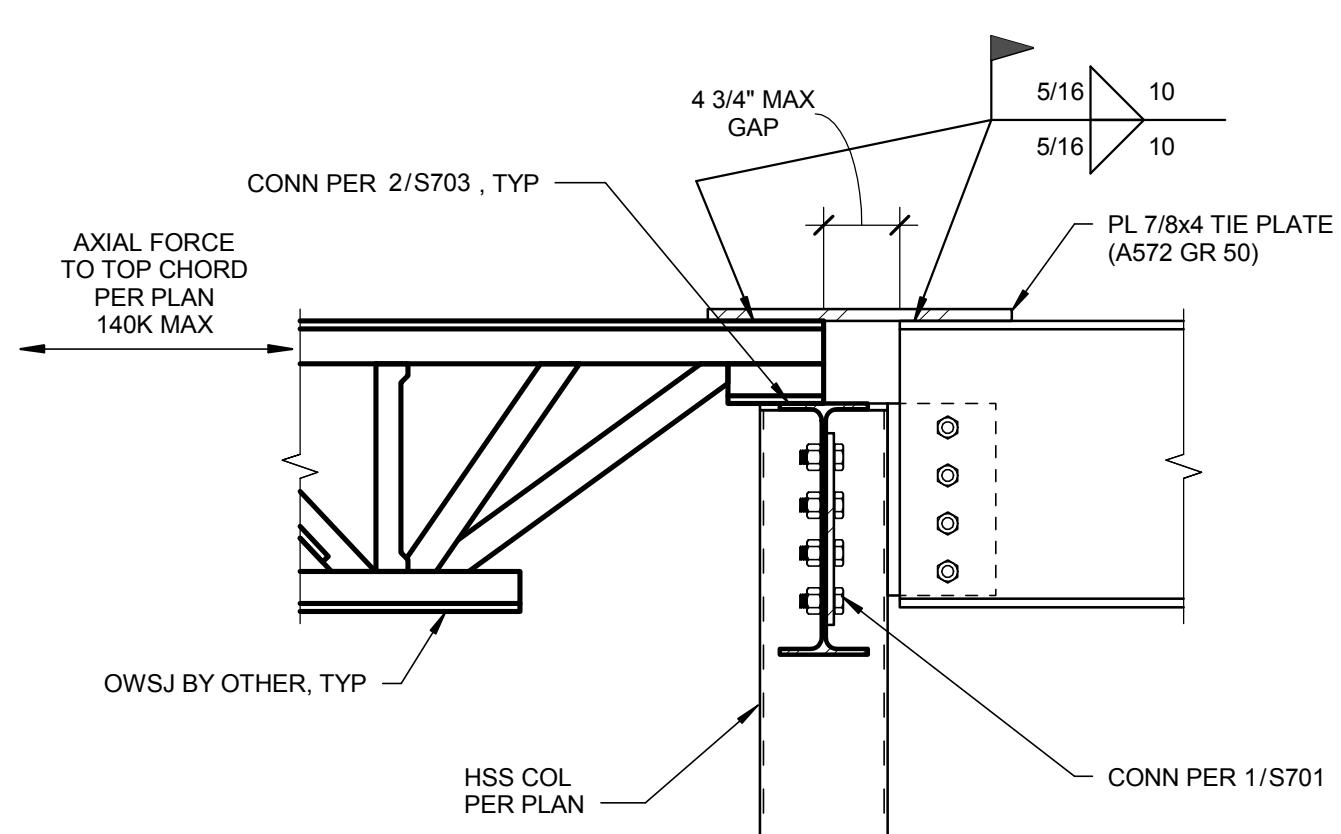
7 OWSJ TO CONT COL CONN
SCALE : 1" = 1'-0"



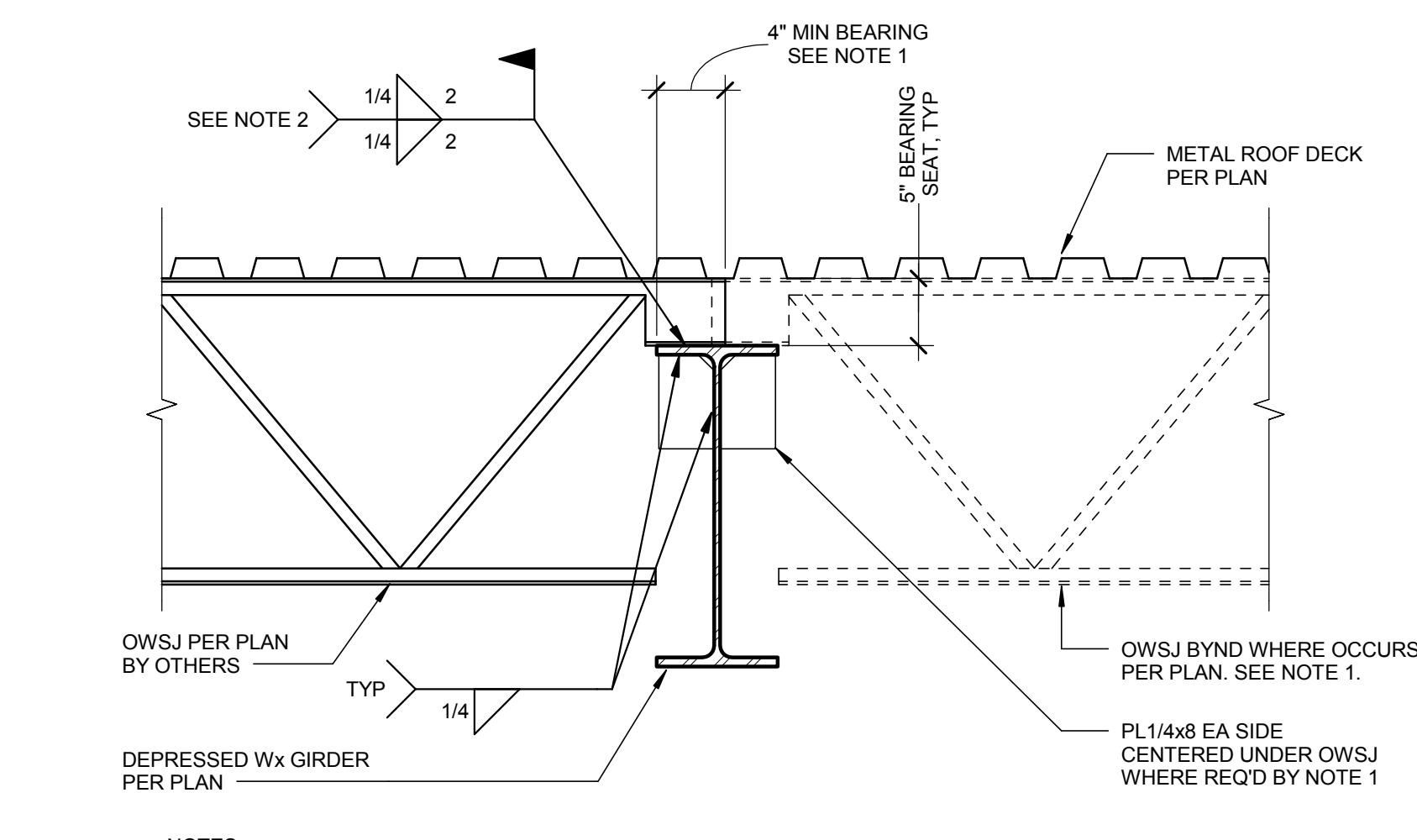
4 CHANNEL AT DEPRESSED LFRS GIRDERS
SCALE : 1" = 1'-0"



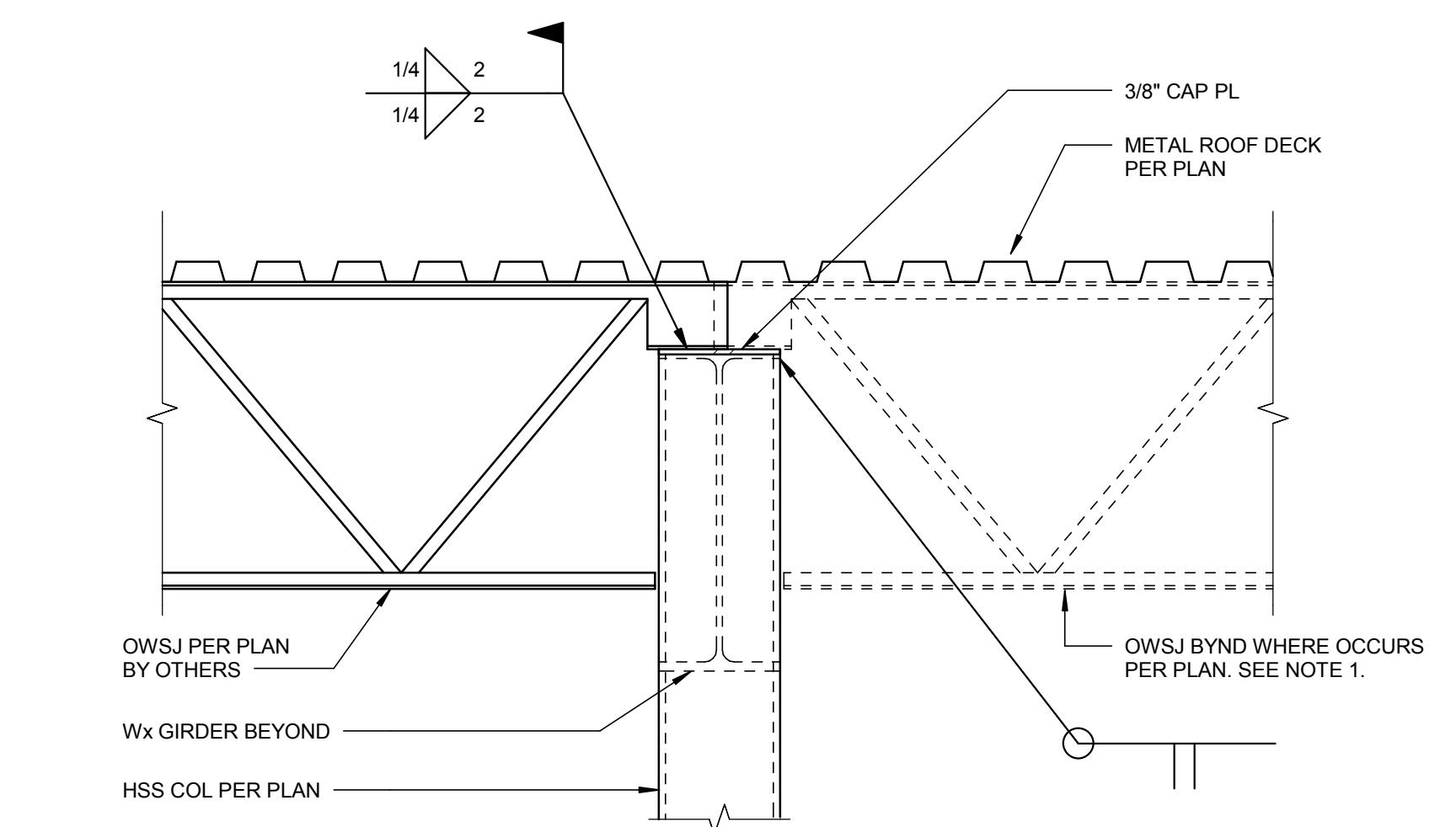
5 CONN BTWN OWSJ COLLECTORS
SCALE : 1" = 1'-0"



6 CONN BTWN OWSJ & Wx COLLECTOR
SCALE : 1" = 1'-0"



1 TYPICAL JOIST TO GIRDERR
SCALE : 1" = 1'-0"

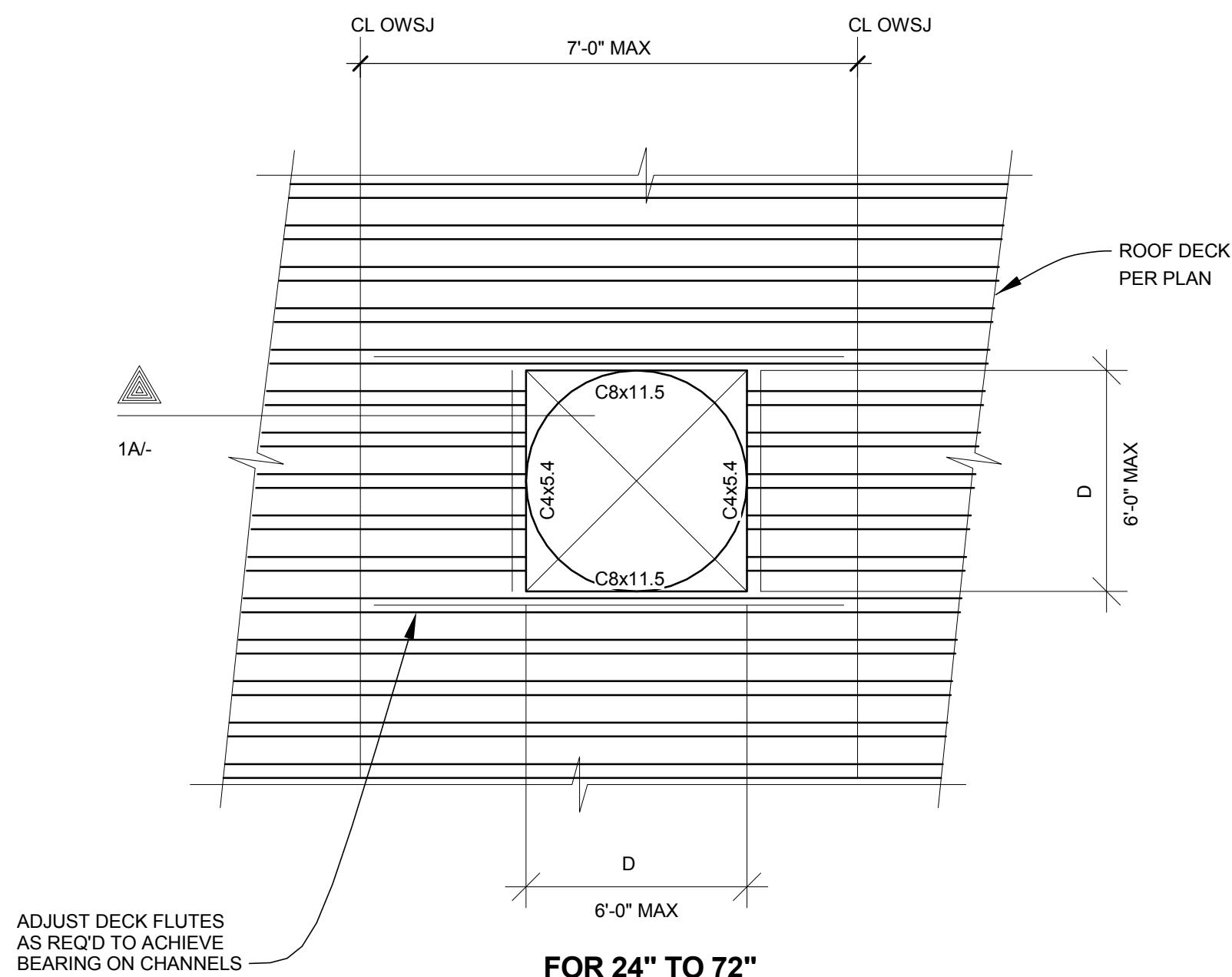
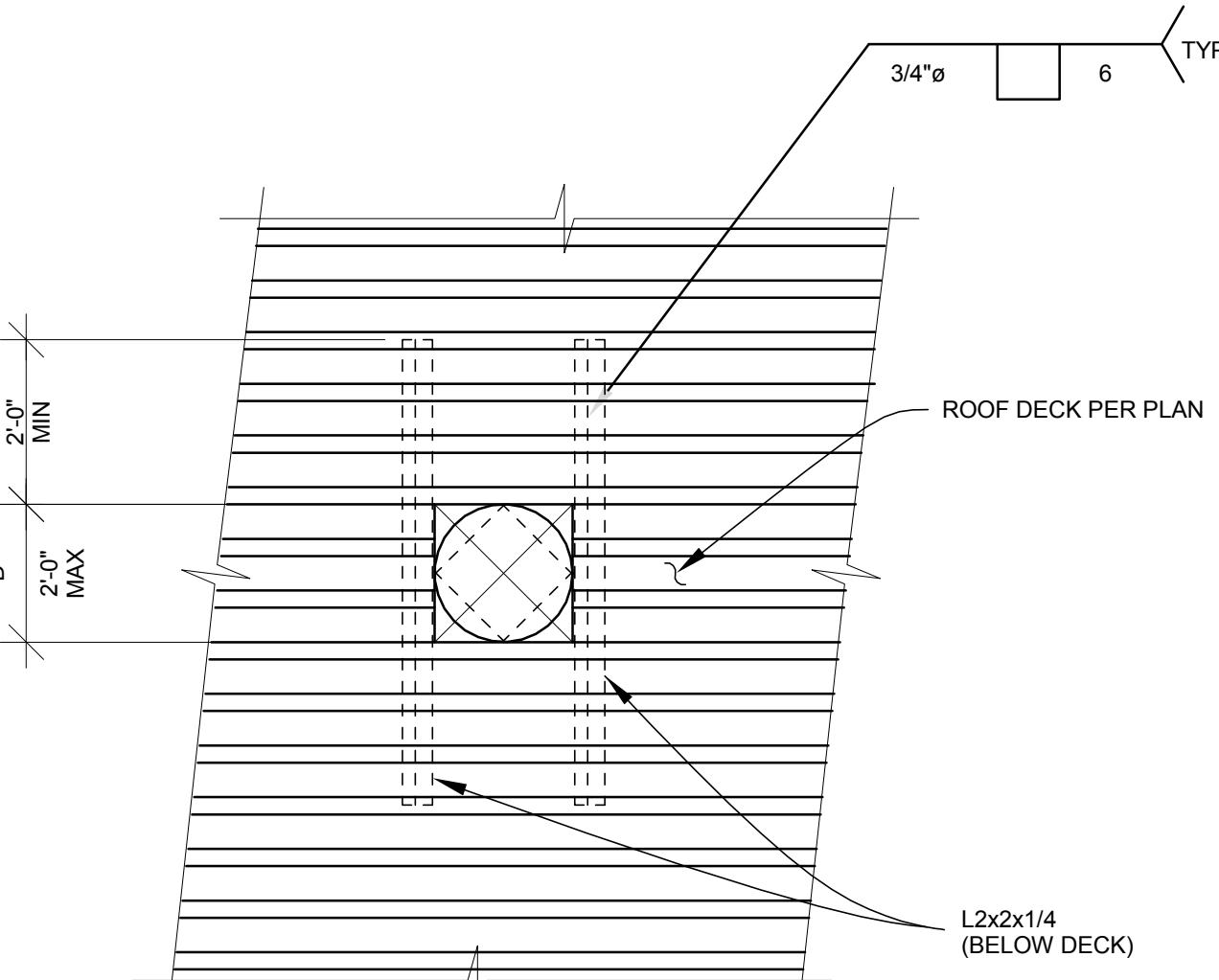


2 TYPICAL JOIST TO COLUMN
SCALE : 1" = 1'-0"

SHEET NUMBER:

11.09.15

A

**FOR D=6" TO 24"****FOR 24" TO 72"****NOTES:**

1. HOLES LESS THAN 6"Ø AND CUTTING NO MORE THAN 1 WEB REQUIRE NO REINFORCEMENT.
2. ALL METAL DECK OPENINGS SHOWN ABOVE APPLY ONLY TO DUCTWORK, PIPING, ROOF HATCHES AND SMALL AIR SHAFTS.
3. THESE REINFORCED OPENINGS ARE NOT INTENDED TO SUPPORT MECHANICAL EQUIPMENT.

1 TYPICAL OPENING DETAILS FOR METAL DECKS

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

COLE ARCHITECTS
 COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
 Boise, ID 83702 | (208) 345-1800

T C A
 architecture • planning

 TCA | 621 Roosevelt Way NE
 Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION
kpf
 412 E. Parkcenter Blvd, Suite 204
 Boise, ID 83706
 O: 208.336.6985
www.kpff.com

City of Boise Fire Station #8
 3575 W. Overland Rd. Boise, ID 83705

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

TYPICAL STEEL DECK DETAILS
S706

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 201 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

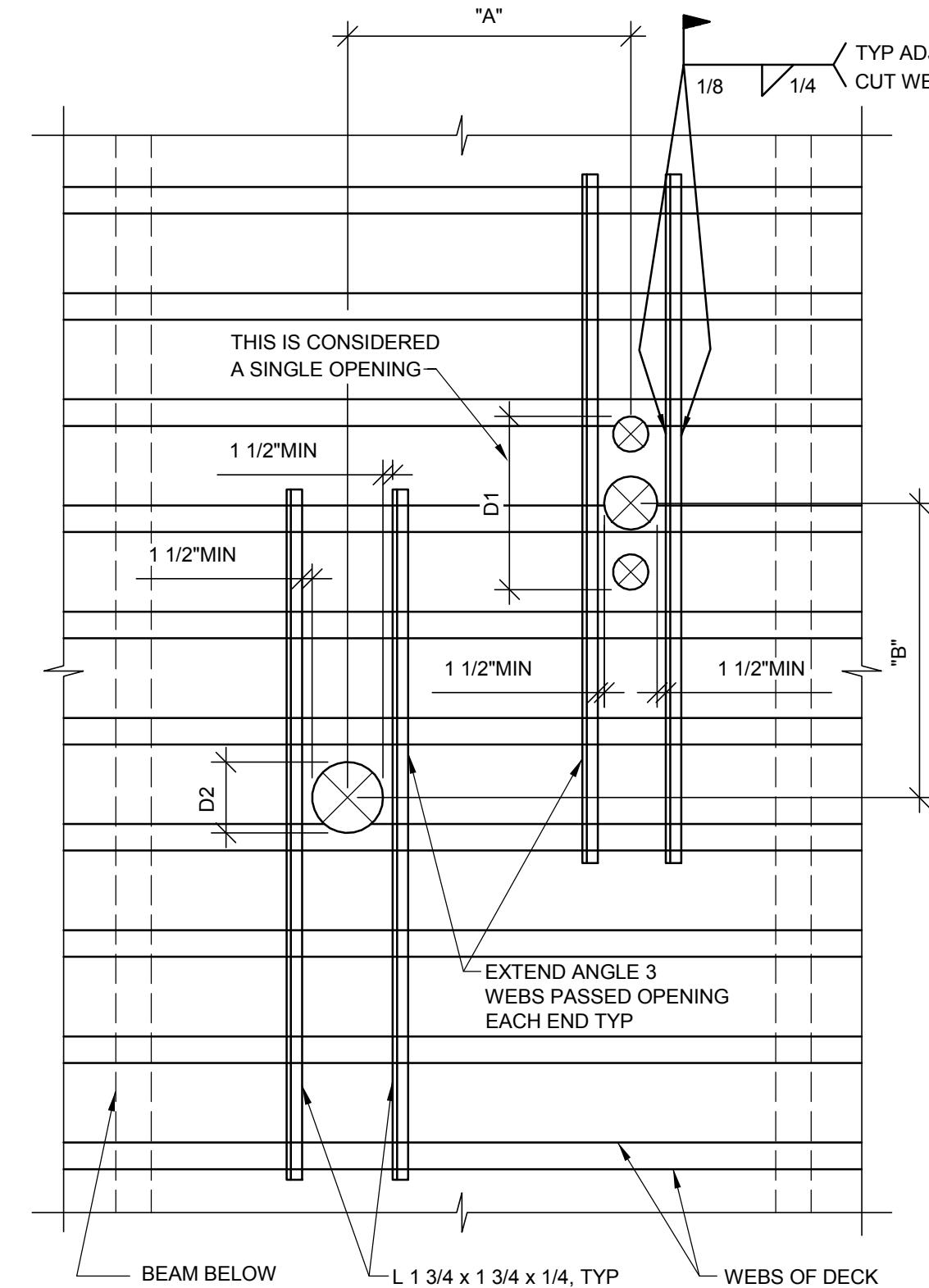
SHEET NAME:

TYPICAL STEEL DECK DETAILS

D SHEET NUMBER:

S707

11.09.15

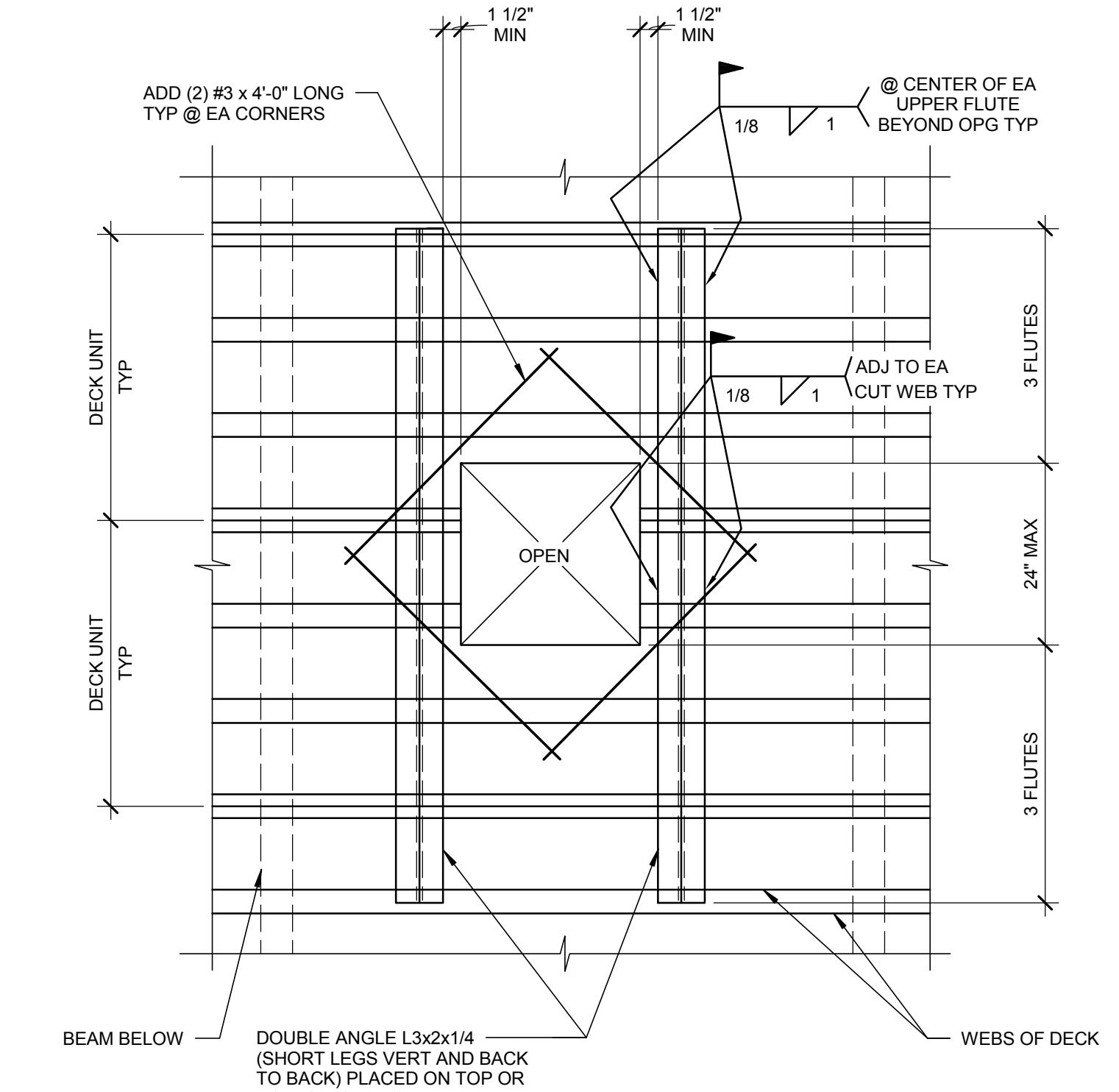


NOTES:

- DO NOT CUT MORE THAN 2 ADJACENT WEBS.
- HOLES LESS THAN 6" IN DIAMETER AND CUTTING NO MORE THAN 1 WEB NEED NO REINFORCING.
- ANGLES SHALL BE PLACED ON TOP OF DECK.
- IF DIMENSION "A" IS GREATER THAN 4D1, 4D2, OR 32" WHICHEVER IS LARGER, THEN THERE IS NO RESTRICTION ON DIMENSION "B".
- IF DIMENSION "B" IS GREATER THAN 4D1, 4D2, OR 32" WHICHEVER IS LARGER, THEN THERE IS NO RESTRICTION ON DIMENSION "A".
- IF DIMENSIONS "A" AND "B" ARE LESS THAN 4D1, 4D2, OR 32" WHICHEVER IS LARGER, THE OPENING GROUP WILL BE CONSIDERED AS A SINGLE HOLE, AND MUST BE REINFORCED AS REQUIRED FOR THE LARGER OPENING.
- MAXIMUM DIMENSION FOR D1 AND D2 IS 12". HOLES CAN CUT NO MORE THAN TWO ADJACENT WEBS.
- ALL OPENINGS ADJACENT TO BRACED FRAME BEAMS, DRAG BEAMS, AND CHORD BEAMS CAN ONLY BE DONE WITH THE STRUCTURAL ENGINEER'S APPROVAL.
- INSTALL ALL CANS OR SLEEVES TO MAINTAIN MIN 1/4" CLEAR BELOW TOP OF CONCRETE.

2 DECK SLEEVE DETAIL

SCALE : 1" = 1'-0"



NOTE:

- IF THE OPENING OR GROUP OF OPENINGS OCCUR IN ONE DECKING UNIT, THE OPENING OR OPENING GROUP MAY BE CUT PRIOR TO POURING OF CONCRETE.
- IF, AS SHOWN IN THE DETAIL ABOVE, THE OPENING OR OPENING GROUP CUTS THROUGH TWO DECKING UNITS, THE DECKING SHALL NOT BE CUT UNTIL CONCRETE HAS BEEN PLACED AND CURED. AT THE TIME OF POURING, SUITABLE SLEEVES OR BULKHEADS SHALL BE PLACED AROUND THE OPENING.
- ADD REBAR AT CORNERS OF OPENING.
- WHEN THE MAXIMUM DIMENSION OF AN OPENING OR OPENING GROUP EXCEEDS 24", PLACE HEADER BEAM AROUND OPENING PER PLANS.
- ALL OPENINGS ADJACENT TO BRACED FRAME BEAMS, DRAG BEAMS, AND CHORD BEAMS CAN ONLY BE DONE WITH THE STRUCTURAL ENGINEER'S APPROVAL.

1 DECK BLOCK OUT DETAIL

SCALE : 1" = 1'-0"

A

B

C

D

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



TCA
architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE										75% CD
PROJECT NUMBER	114747.2									
PROJECT MANAGER	R. TeBeau									
PROJECT ARCHITECT	R. TeBeau									
DESIGN	B. Harris/R. TeBeau									
DRAWN BY	Author									
SHEET NAME:										

BRACE FRAME DETAIL

BRACE FRAME CONNECTION SCHEDULE										
CONNECTION TYPE	PLATE THICKNESS	MIN WELD								
		SIZE	LENGTH	SIZE	SIZE	SIZE	LENGTH	SIZE	SIZE	LENGTH
A	1/4	1/4	6	1/4	12	1/4	12	3/8	1/4	24
B	3/8	1/4	9	1/4	16	1/4	16	3/8	1/4	36
C	1/2	1/4	12	1/4	18	1/4	18	1/2	1/4	42
D	5/8	1/4	12	1/4	18	1/4	18	1/2	1/4	48

NOTES:
1. SEE BRACED FRAME ELEVATIONS FOR MEMBER SIZES.
2. SEE SCHEDULE FOR WELD AND PLATE SIZES.
3. ALL PLATES ARE A572 GR50.

1 BRACED FRAME CONNECTION SCHEDULE & DETAILS

SCALE : 1" = 1'-0"

A

B

C

D

E

3

2

1

11.09.15

SHEET NUMBER:

S710

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



T C A
architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE **75% CD**

PROJECT NUMBER **114747.2**

PROJECT MANAGER **R. TeBeau**

PROJECT ARCHITECT **R. TeBeau**

DESIGN **B. Harris/R. TeBeau**

DRAWN BY **Author**

SHEET NAME:

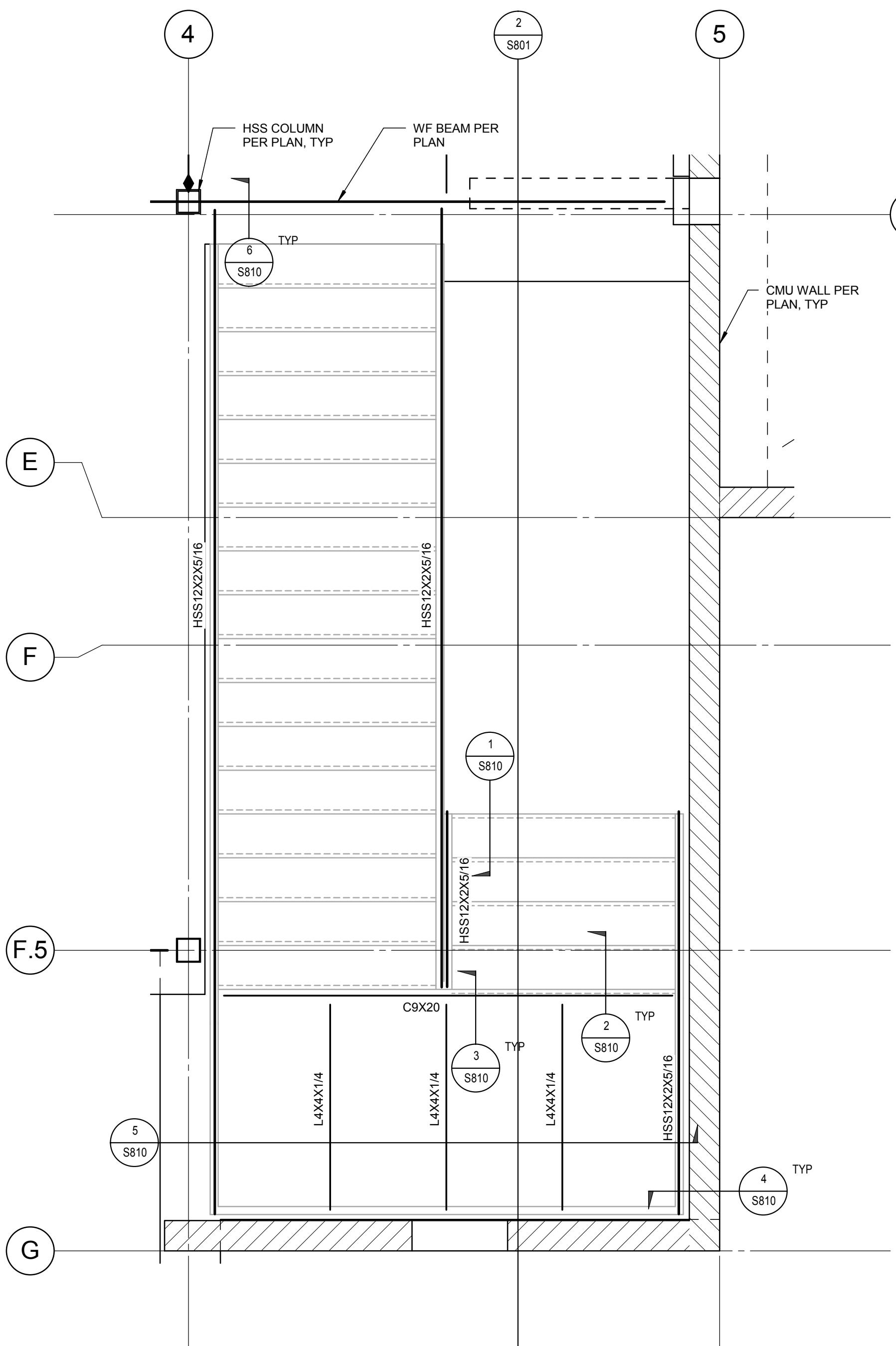
STAIR PLANS AND SECTIONS

SHEET NUMBER:

S800

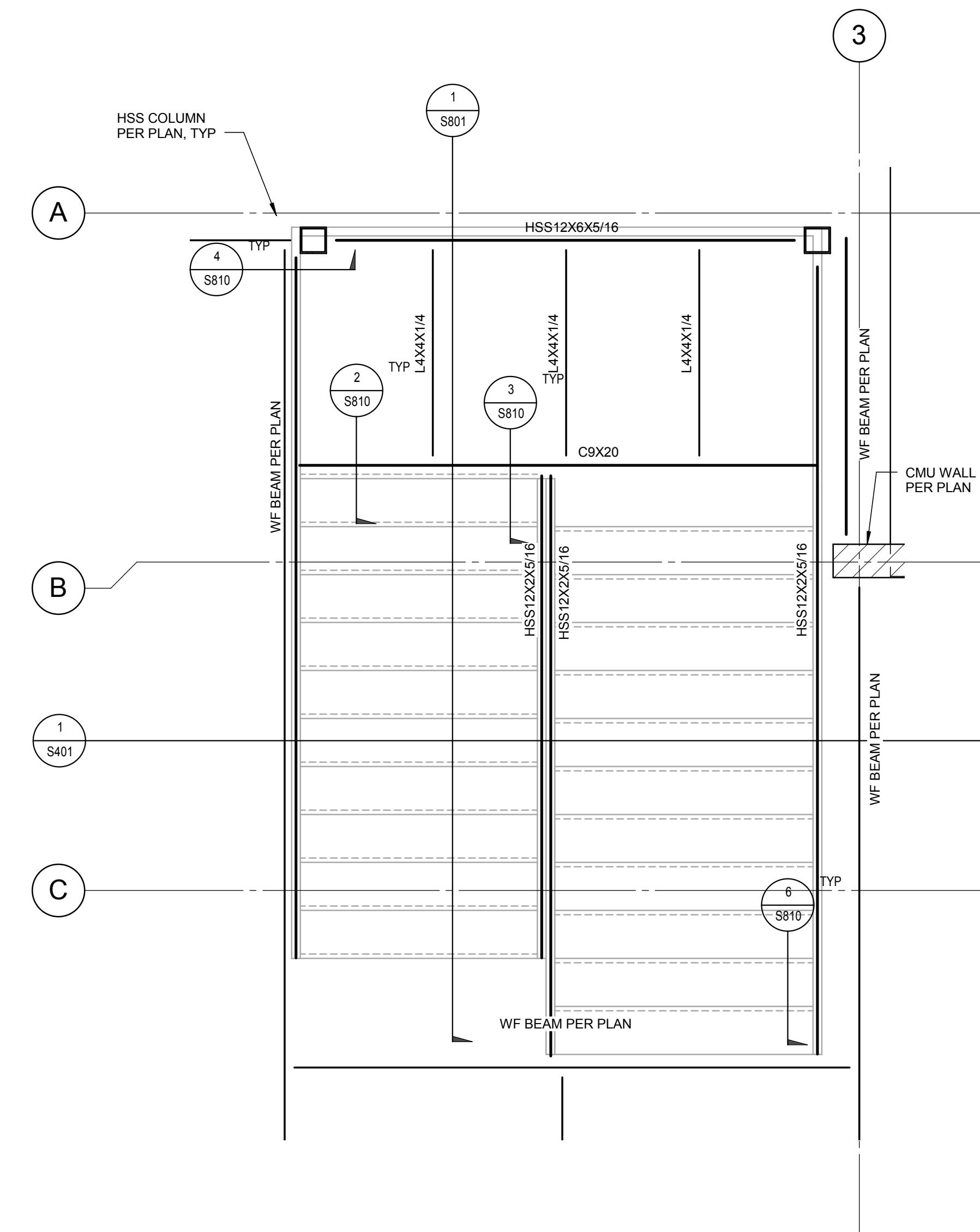
2 STAIR 02 PARTIAL PLAN

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



1 STAIR 01 PARTIAL PLAN

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



COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

PROJECT NUMBER	114747.2
PROJECT MANAGER	R. TeBeau
PROJECT ARCHITECT	R. TeBeau
DESIGN	B. Harris/R. TeBeau
DRAWN BY	Author

SHEET NAME:

**STAIR PLANS AND
SECTIONS**

SHEET NUMBER:

S801

A

A

B

B

C

C

D

D

5

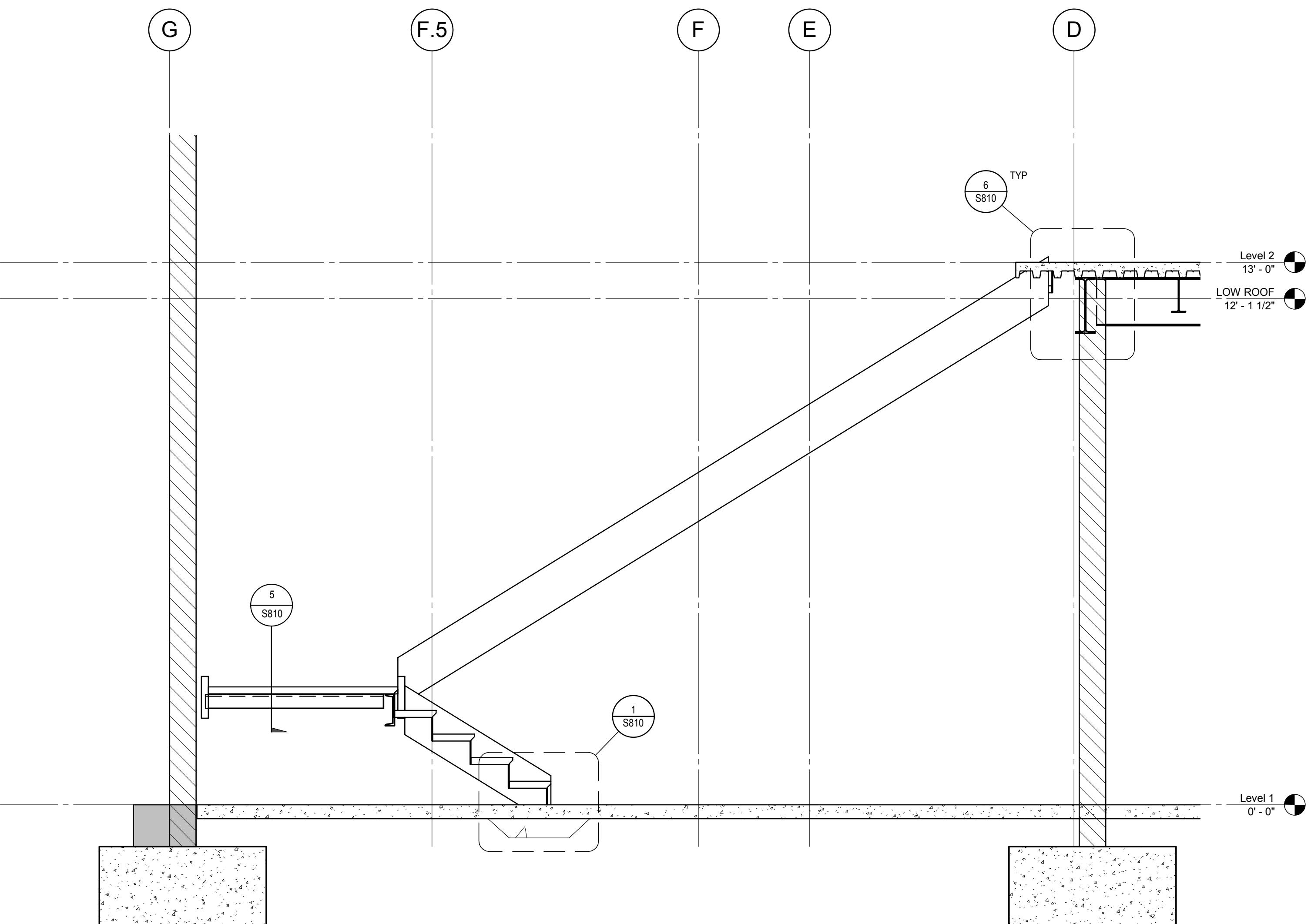
4

3

2

1

11.09.15

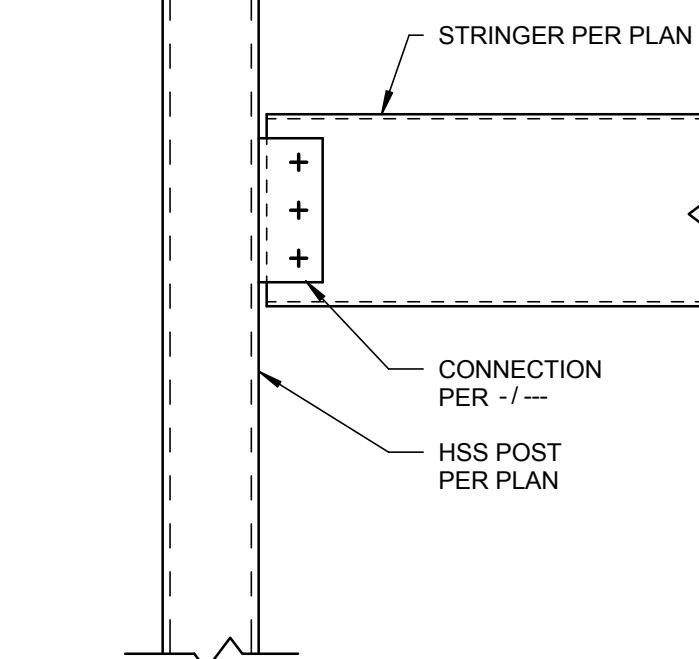
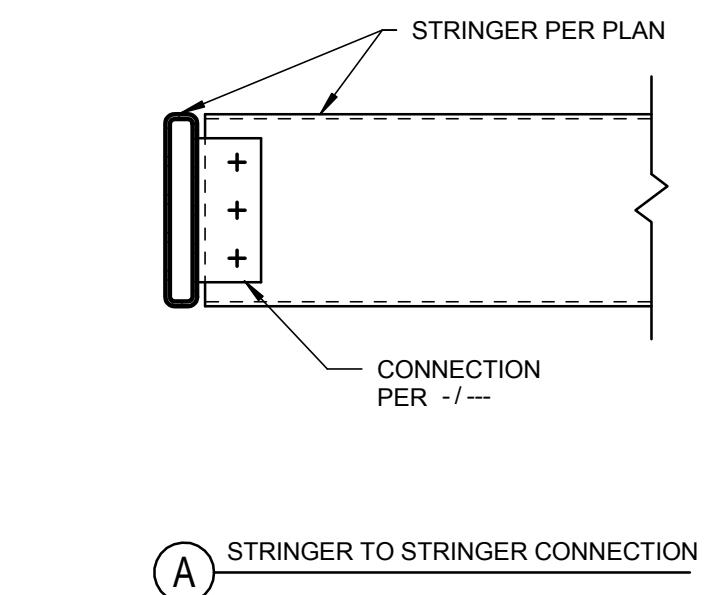


2 STAIR 02 SECTION

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

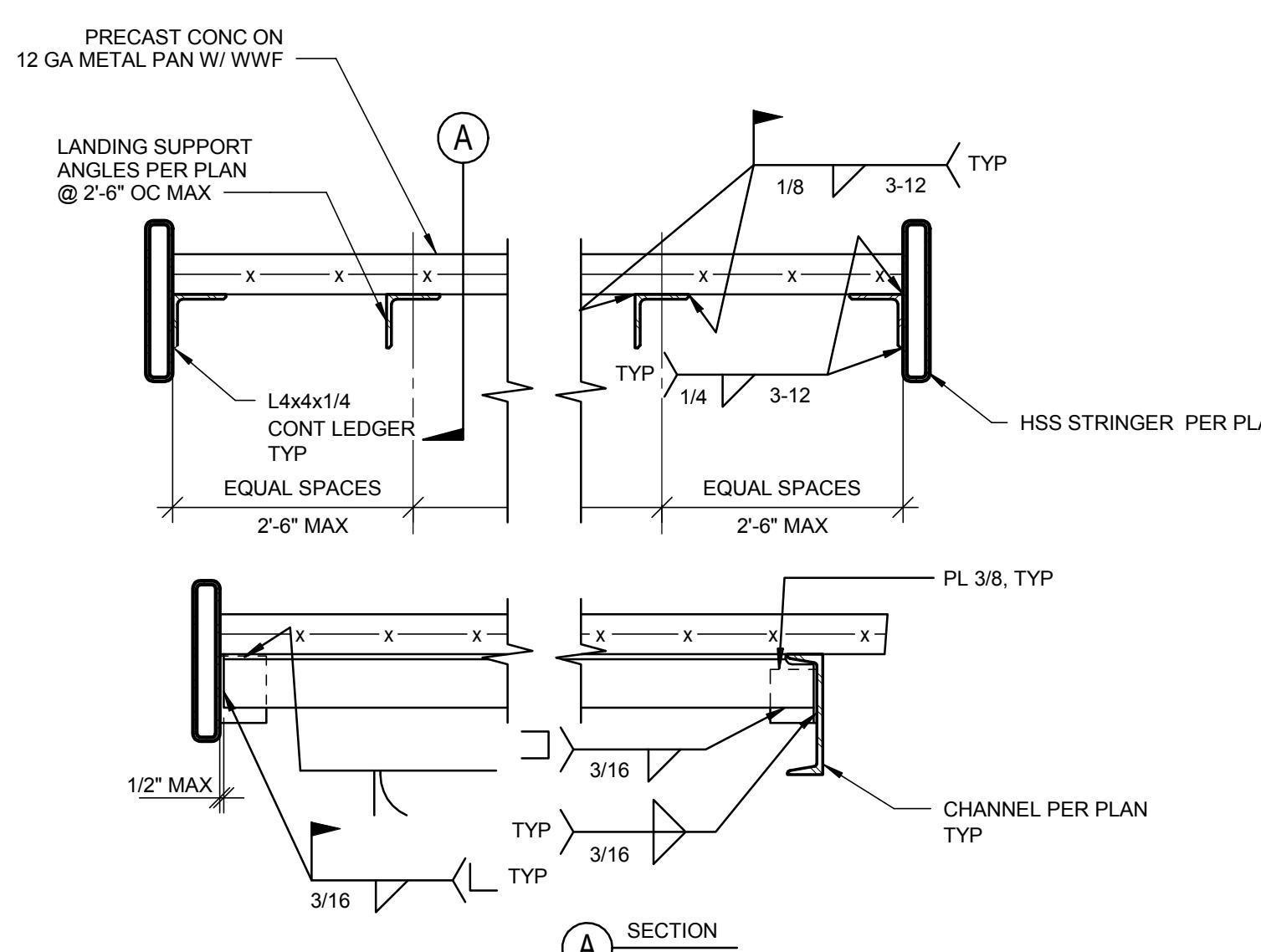
1 STAIR 01 SECTION

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



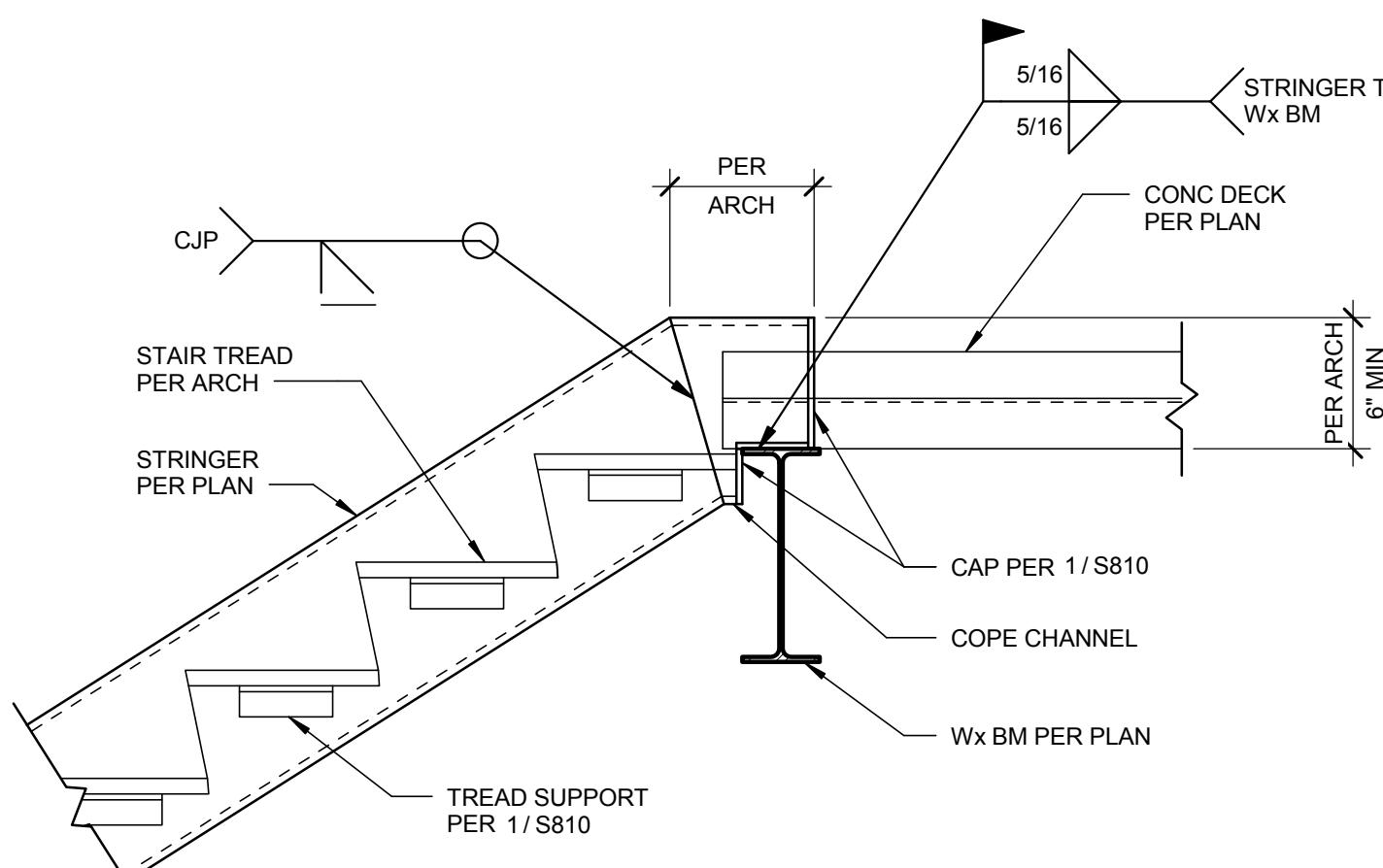
4 STRINGER CONNECTION DETAIL

SCALE : 1" = 1'-0"



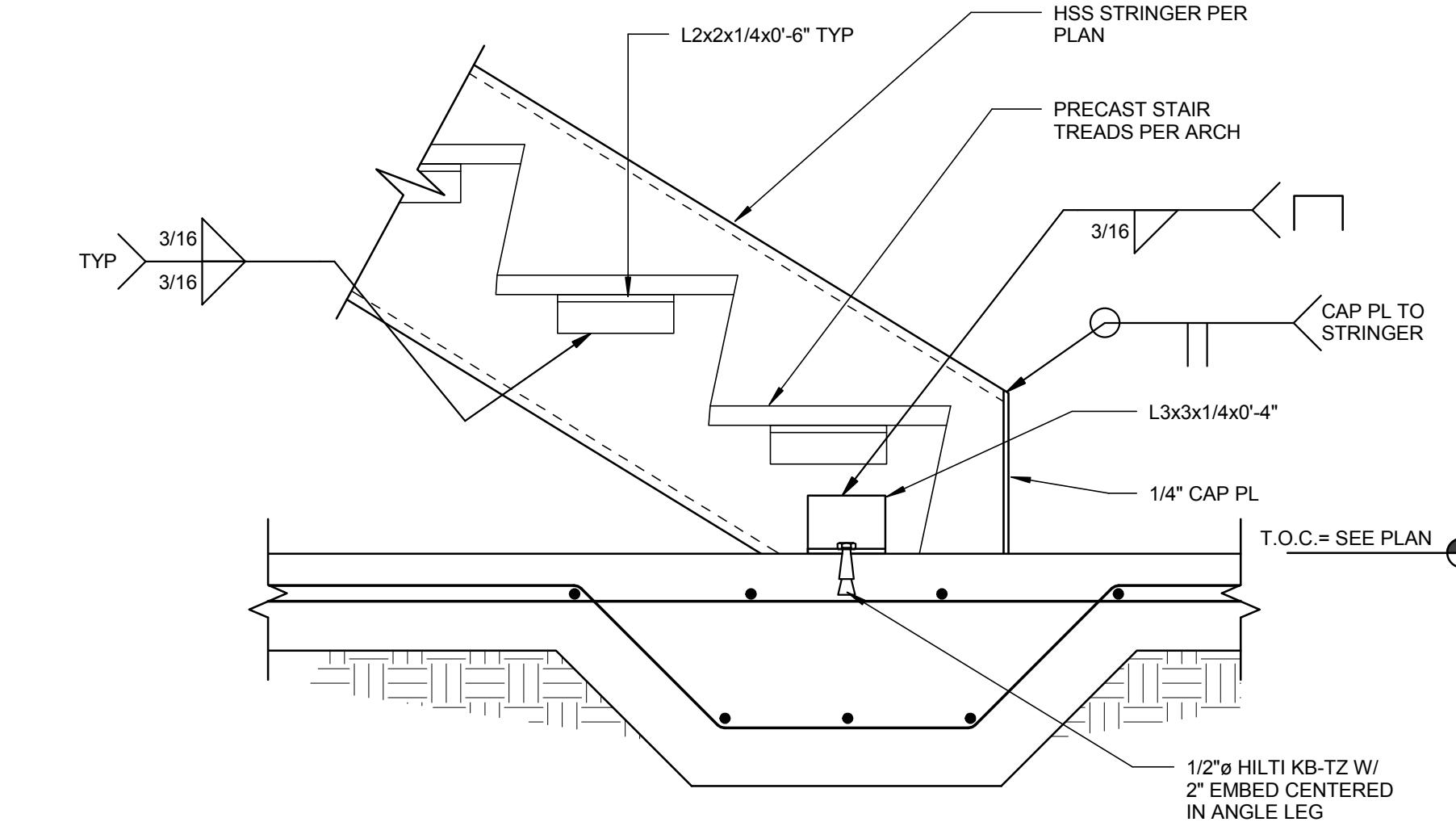
5 LANDING SECTION

SCALE : 1" = 1'-0"



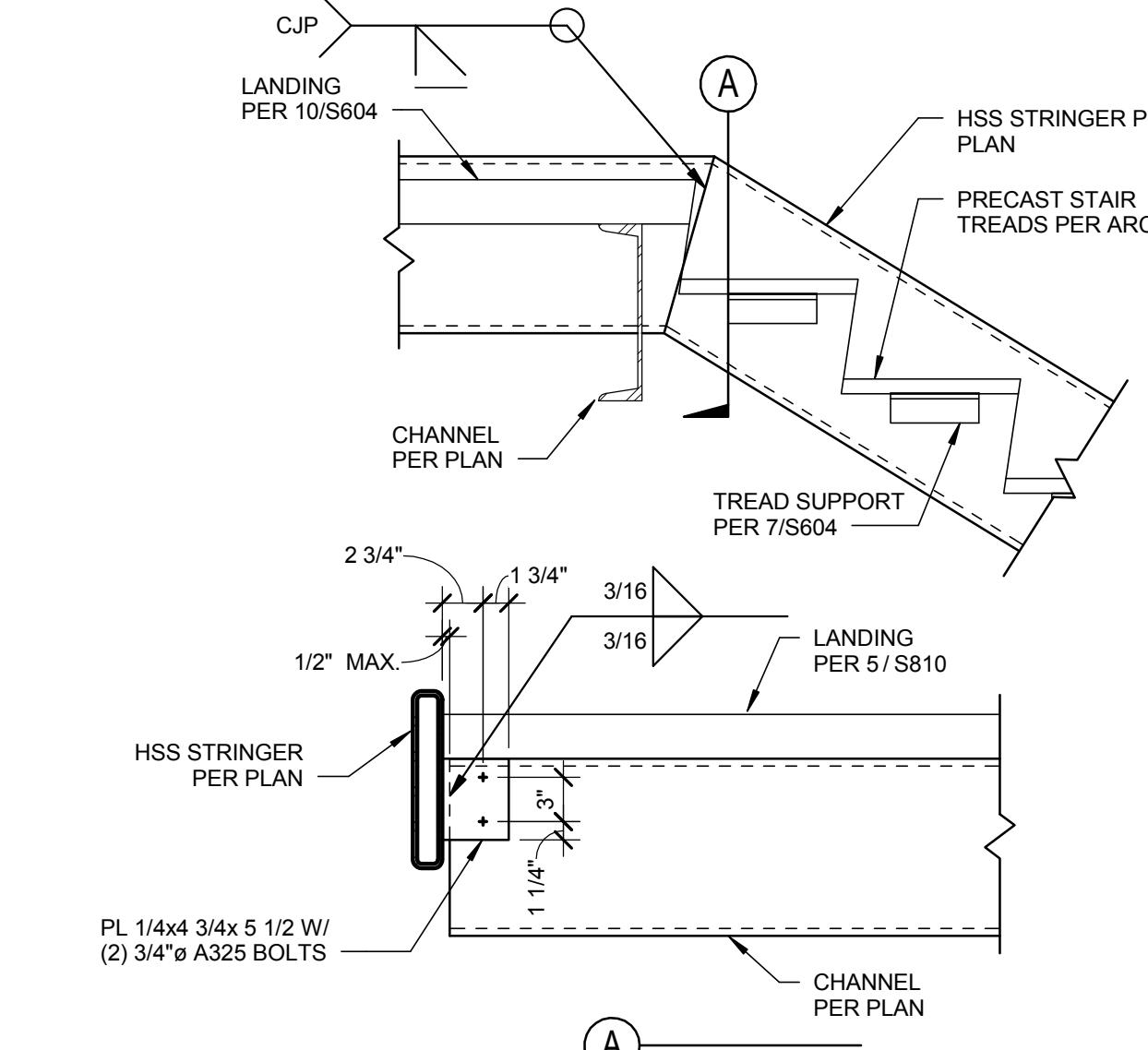
6 STRINGER TO Wx BEAM

SCALE : 1" = 1'-0"



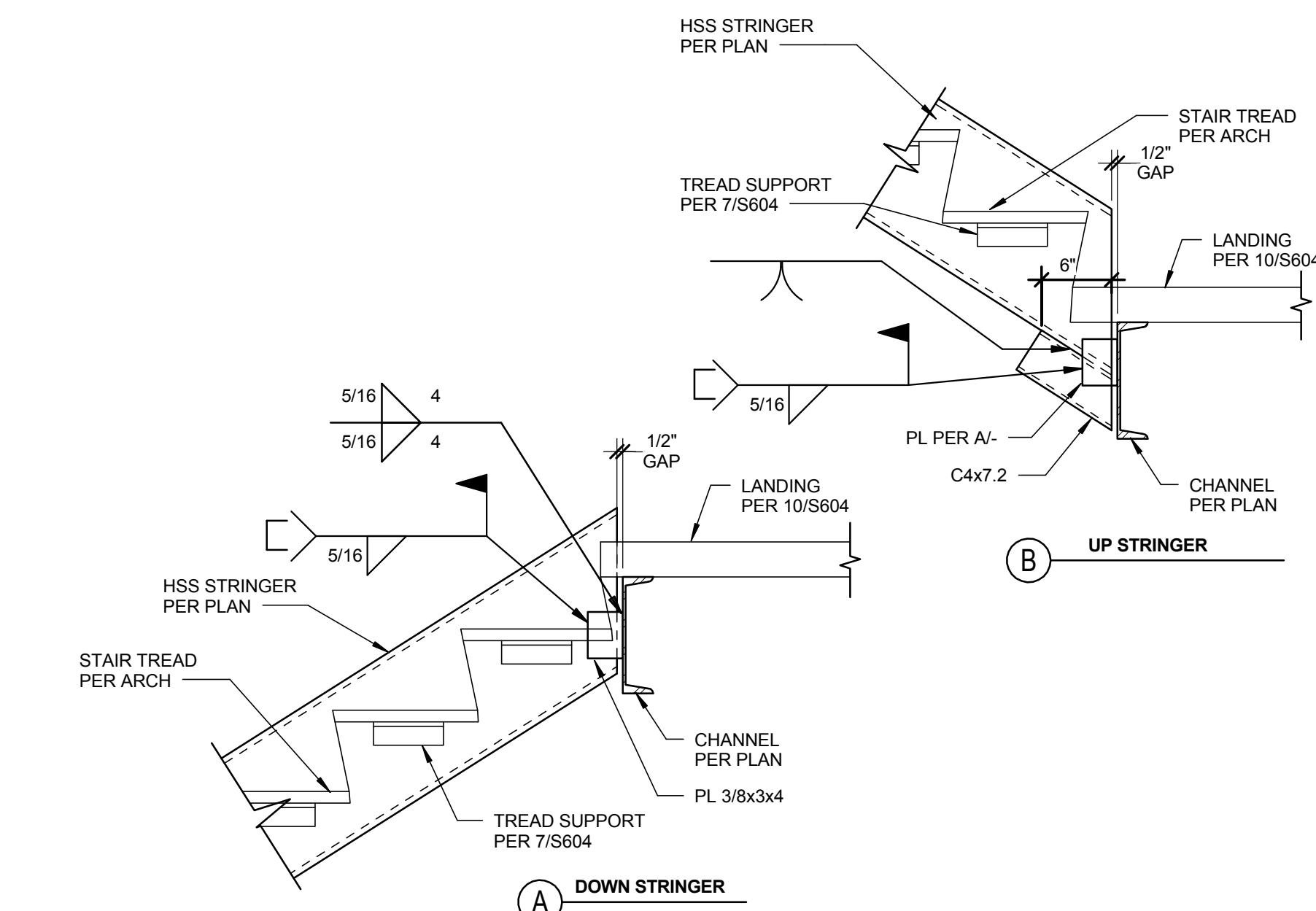
1 STAIR BASE DETAIL

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



2 STRINGER DETAIL

SCALE : 1" = 1'-0"



3 STRINGER CONNECTION DETAIL

SCALE : 1" = 1'-0"

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUIT 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

kpff

412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
---------------	--------

PROJECT NUMBER	114747.2
PROJECT MANAGER	J. Chaffield
PROJECT ARCHITECT	J. Chaffield
DESIGN	J. Chaffield
DRAWN BY	Author

SHEET NAME:

STAIR DETAILS

SHEET NUMBER:

S810

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 6211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

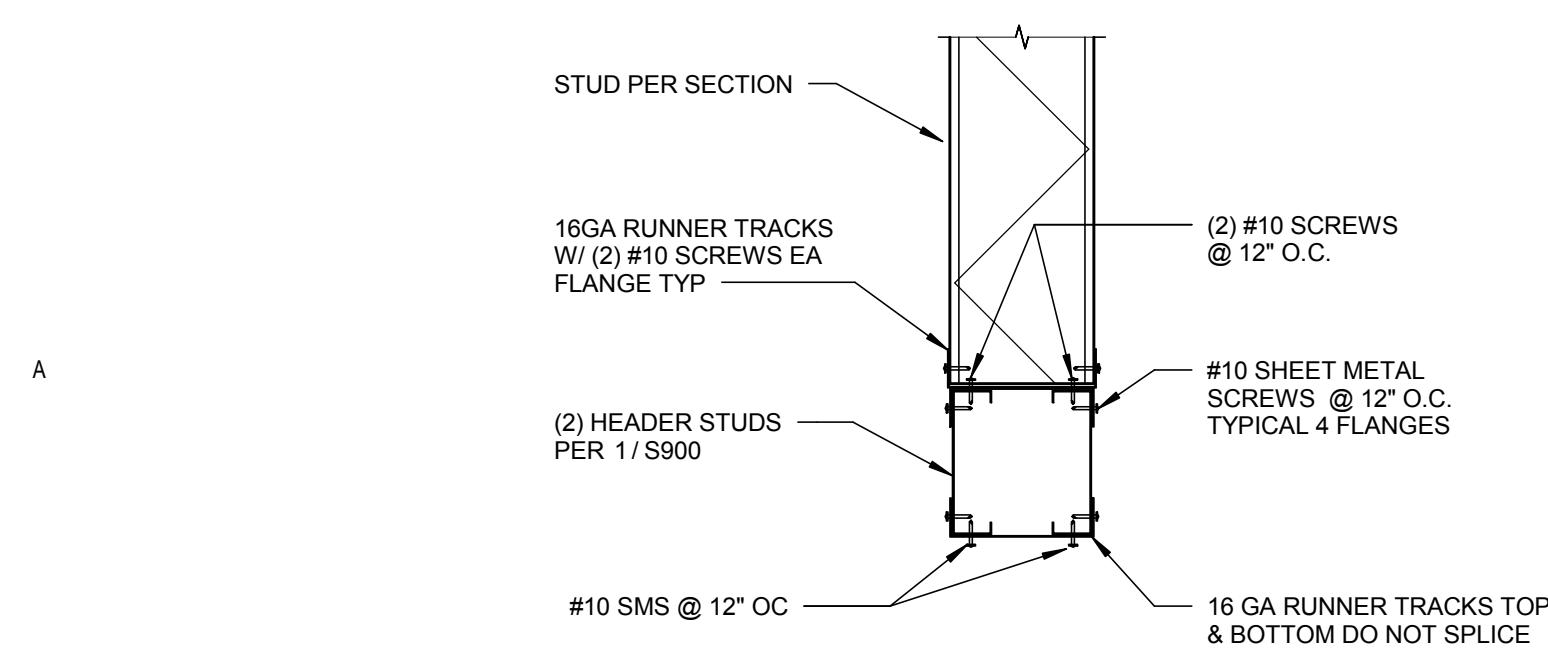
PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	Author

SHEET NAME:

EXTERIOR WALL TYPICAL DETAILS

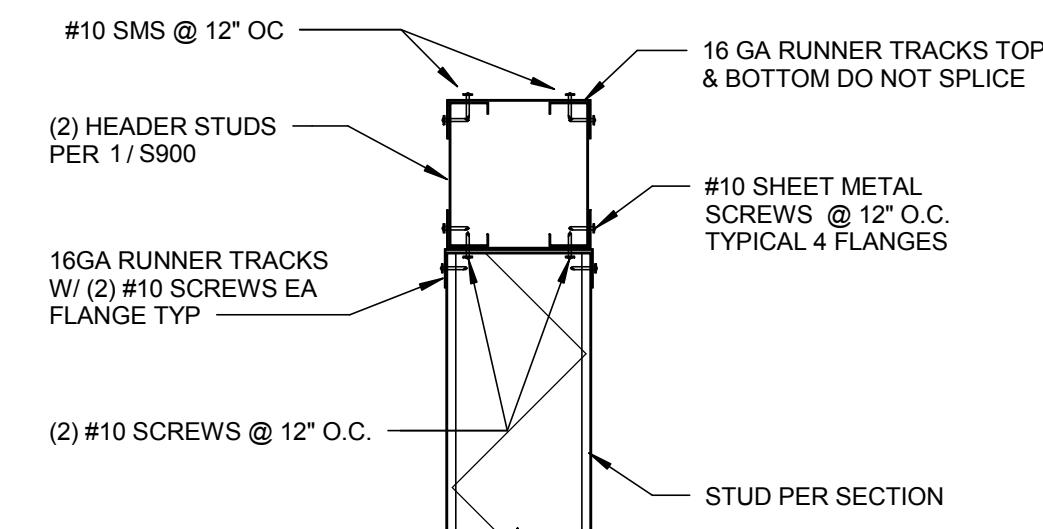
SHEET NUMBER:

S900



3A BUILT UP HEADERS

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

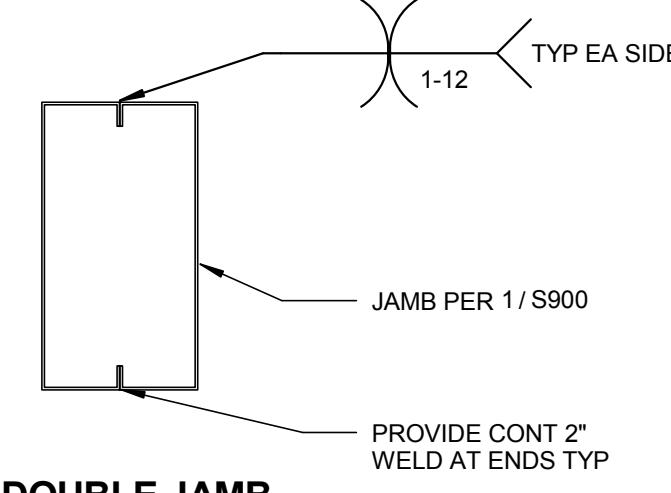


3B BUILT-UP SILL

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

3 HEADER AND SILL DETAILS

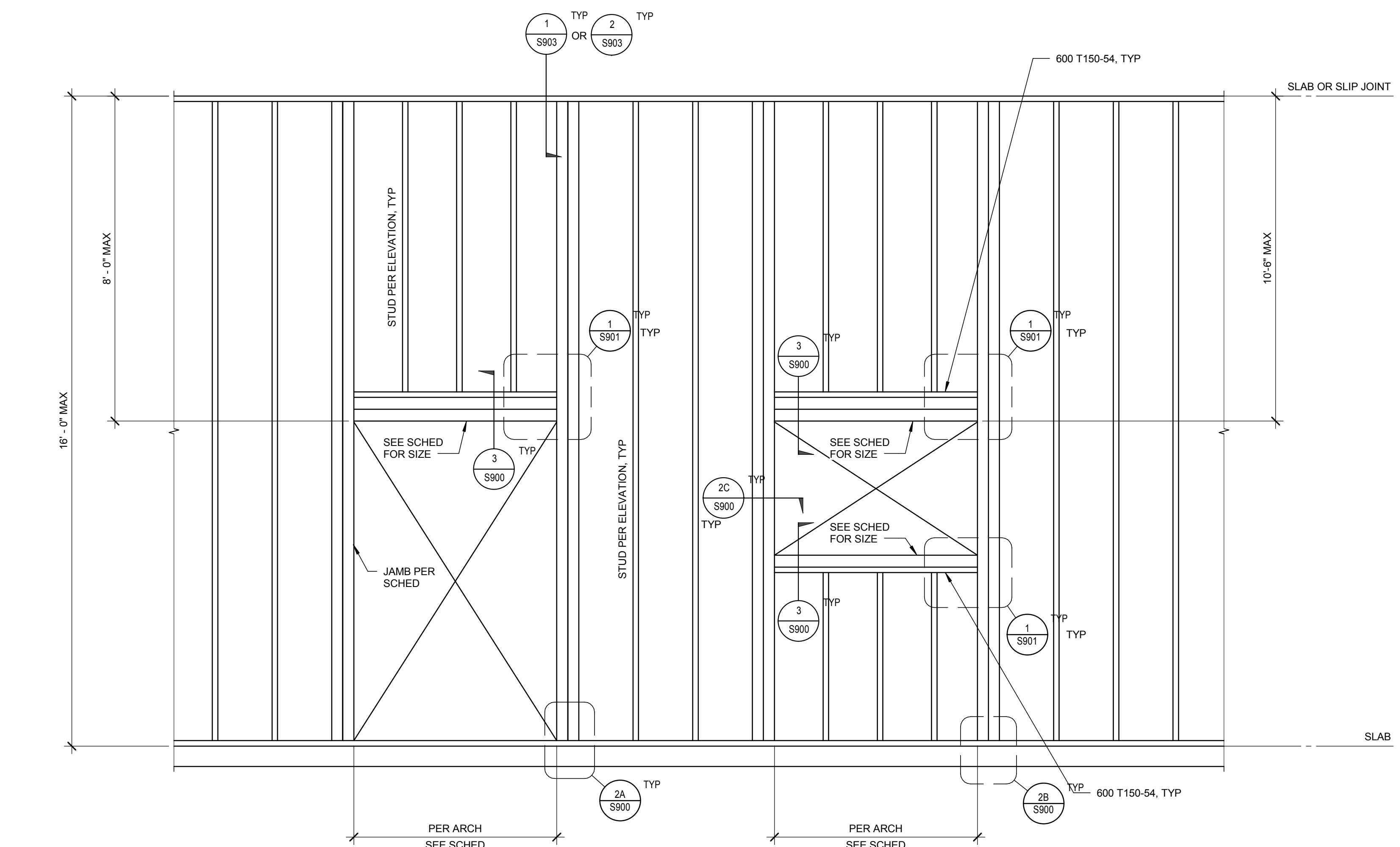
SCALE : 1 1/2" = 1'-0"



NOTE:
1. SHOWN WELD TYP AT ALL BOXED JAMB SECTIONS.

2C TYPICAL JAM STUD DETAIL

SCALE : 3" = 1'-0"

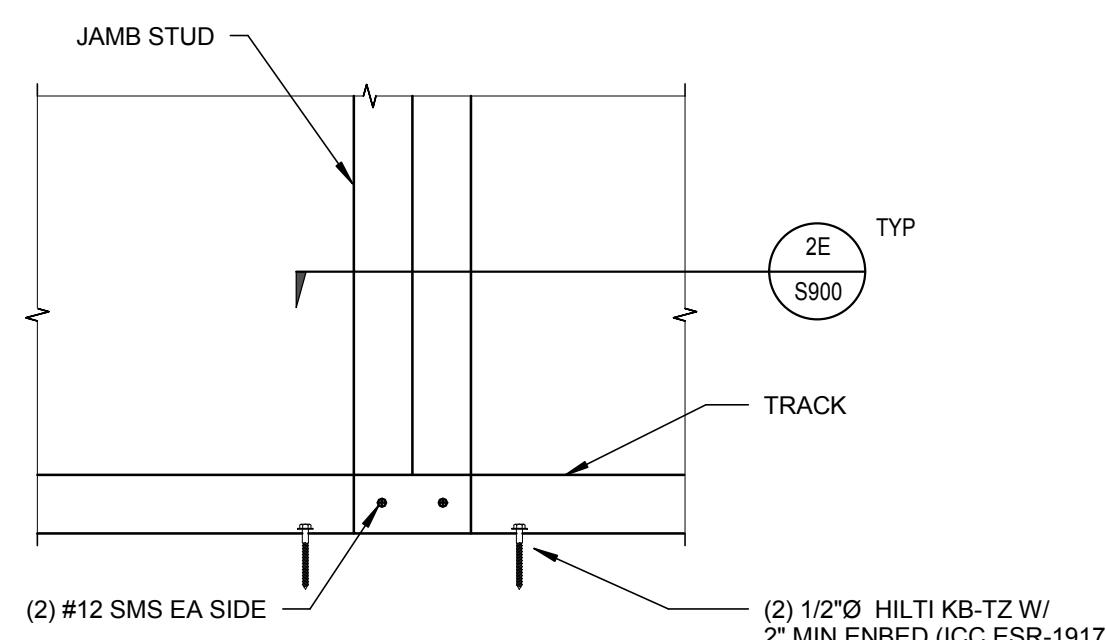


SCHEDULE

WIDTH OF OPENING	JAMB SIZE	HEADER SIZE	SILL SIZE
3'-4" MAX	(2) 600S162-54	(2) 600S162-54	N/A, DOORS ONLY
6'-4" MAX	(2) 600S200-54	(2) 600S162-54	(2) 600S162-54
12'-4" MAX	(2) 600S350-54	(2) 600S300-54	(2) 600S300-54
14'-4" MAX	(2) 600S350-54	(2) 600S300-54	(2) 600S300-54

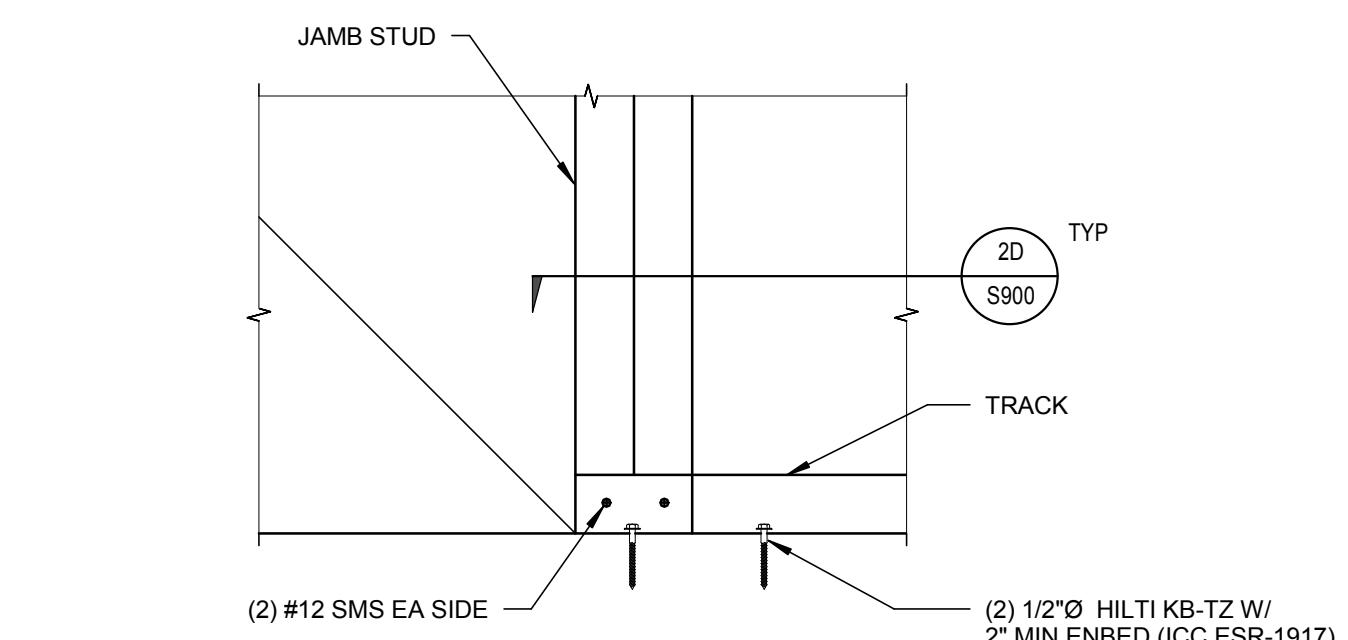
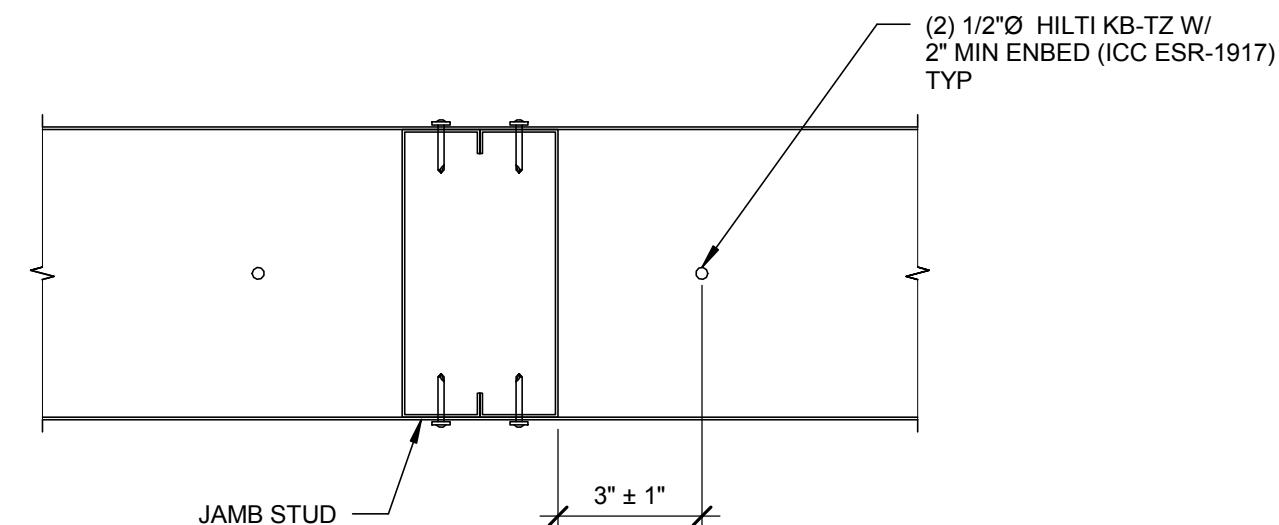
1 EXTERIOR WALL ELEVATION AT OPENINGS

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



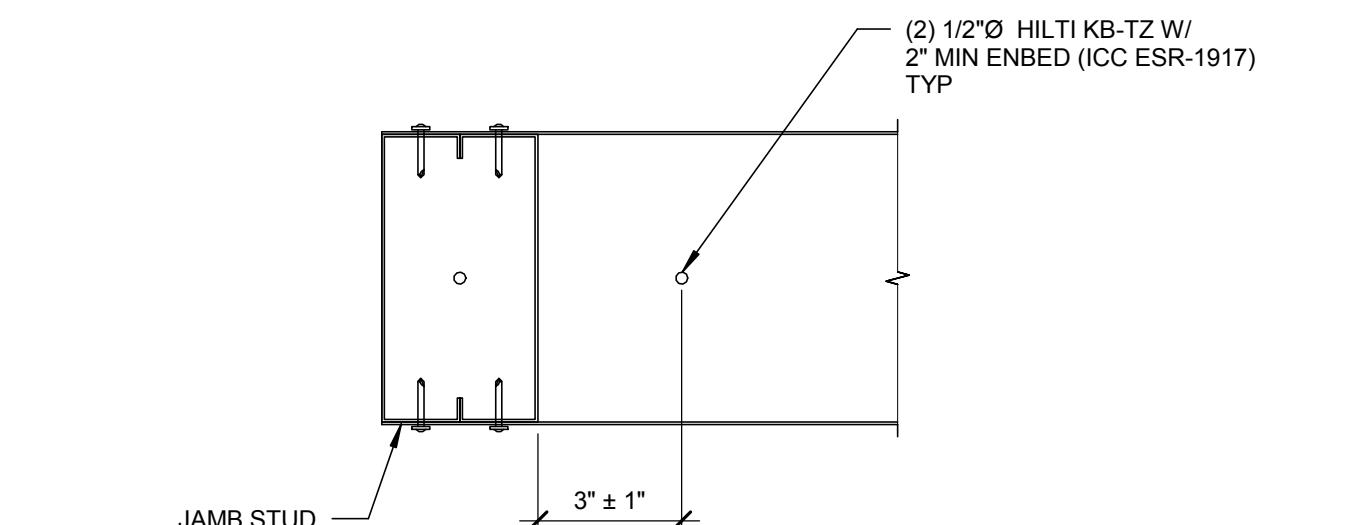
2B ANCHORAGE DETAIL - CENTER CONDITION

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



2A ANCHORAGE DETAIL - EDGE CONDITION

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



2E SECTION

SCALE : 3" = 1'-0"



2D SECTION

SCALE : 3" = 1'-0"



2 JAMB DETAILS

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

5

4

3

2

1

0

1

11.09.15

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

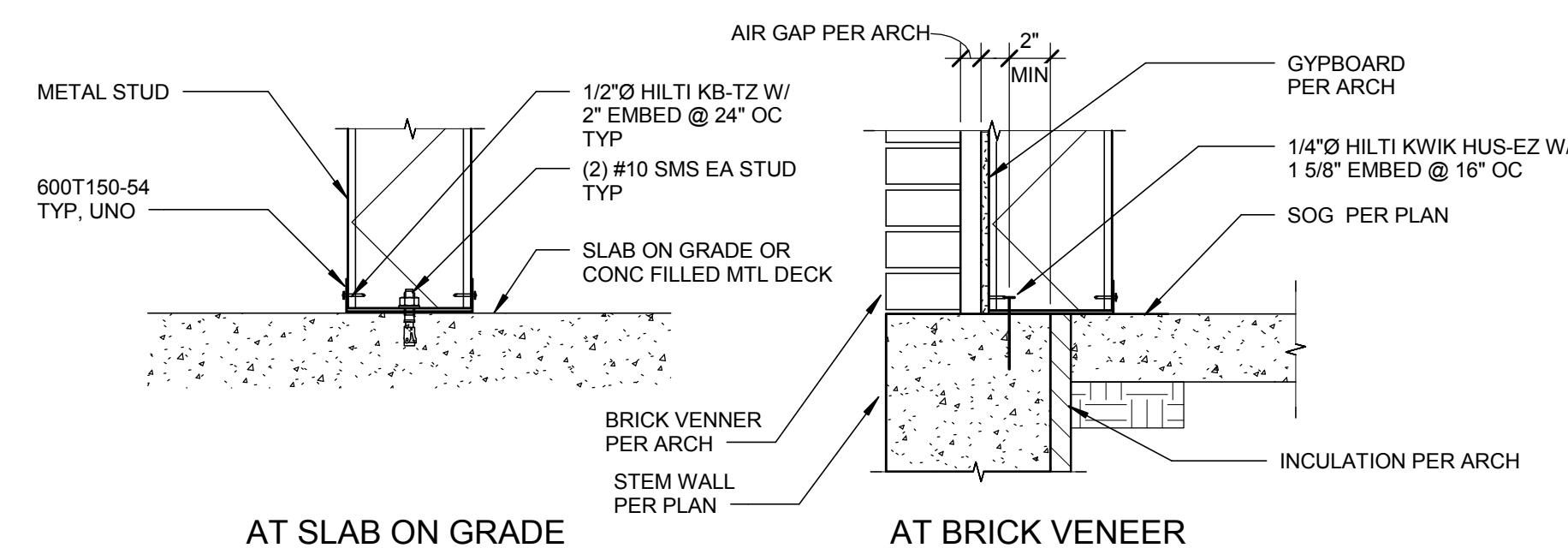
architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

1 TYPICAL HEADER/SILL TO JAMB CONNECTION

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



A

A

B

B

C

C

D

D

kpff

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	J. Chaffield
PROJECT ARCHITECT	J. Chaffield
DESIGN	J. Chaffield
DRAWN BY	Author

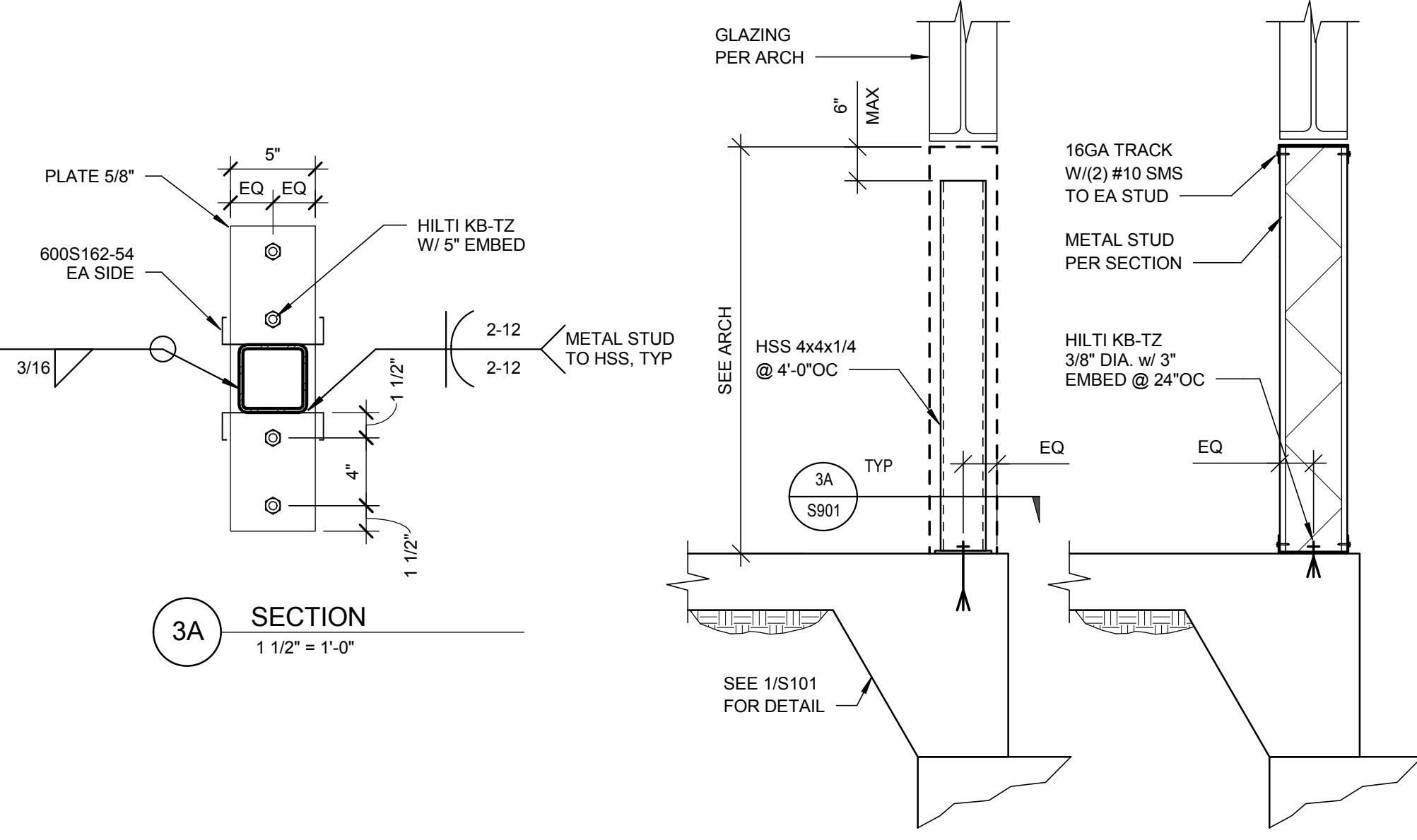
SHEET NAME:

EXTERIOR WALL TYPICAL DETAILS

S901

2 WALL SILL ATTACHMENT DETAIL

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



3 WINDOW SILL DETAIL

SCALE : 1" = 1'-0"

SEE 1/S101 FOR DETAIL
@ HSS POST
@ METAL STUD

SHEET NUMBER:

11.09.15

3

2

1

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning
TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3020

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpf

412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE **75% CD**

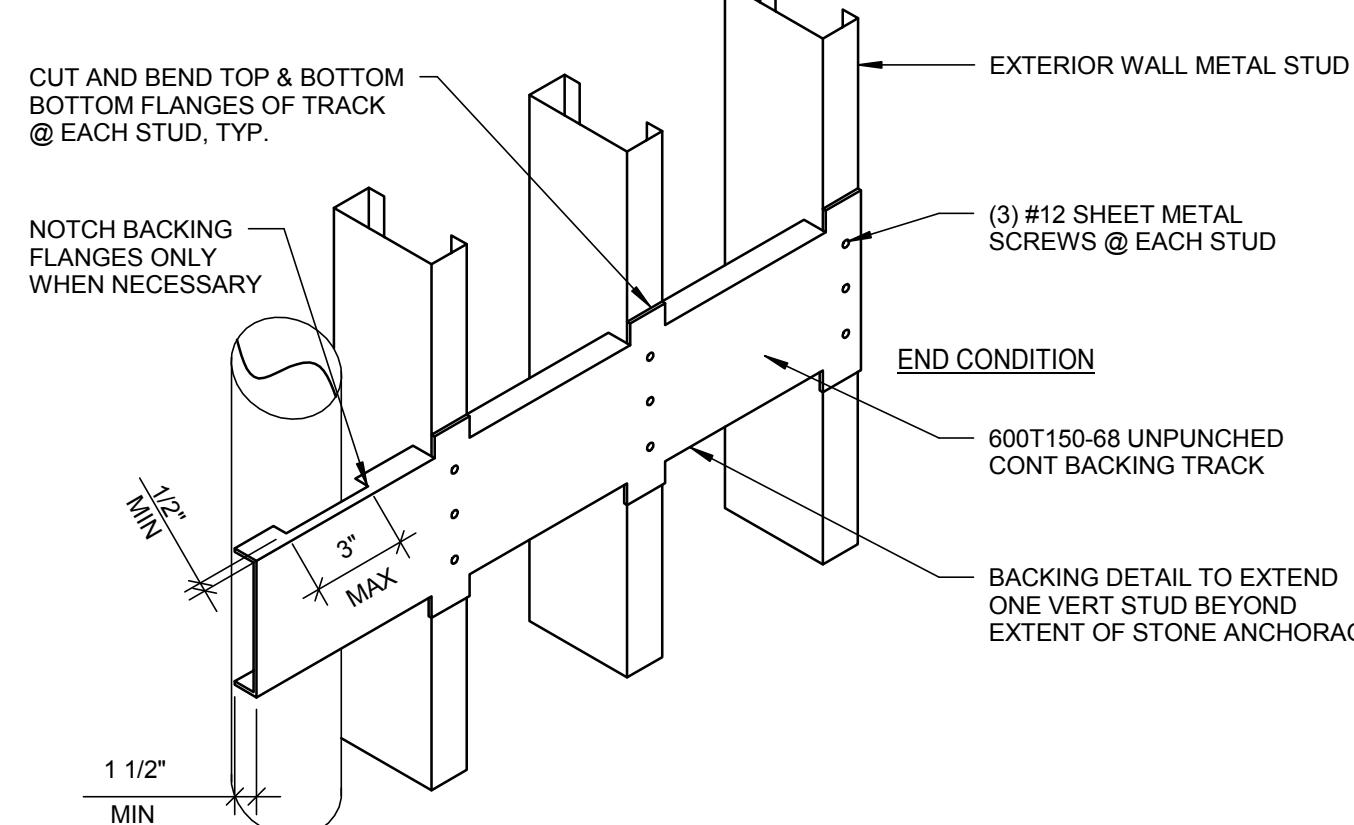
PROJECT NUMBER	114747.2
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	Author

SHEET NAME:

EXTERIOR WALL TYPICAL DETAILS

SHEET NUMBER:

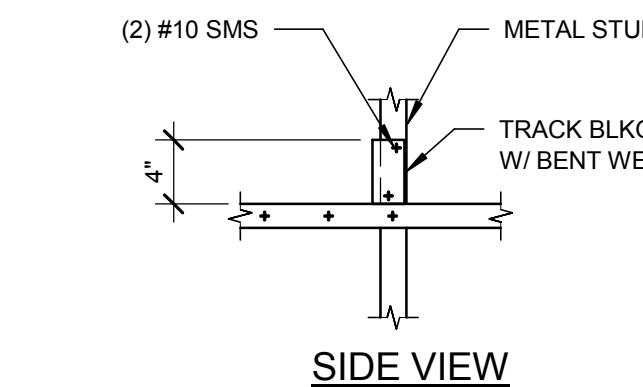
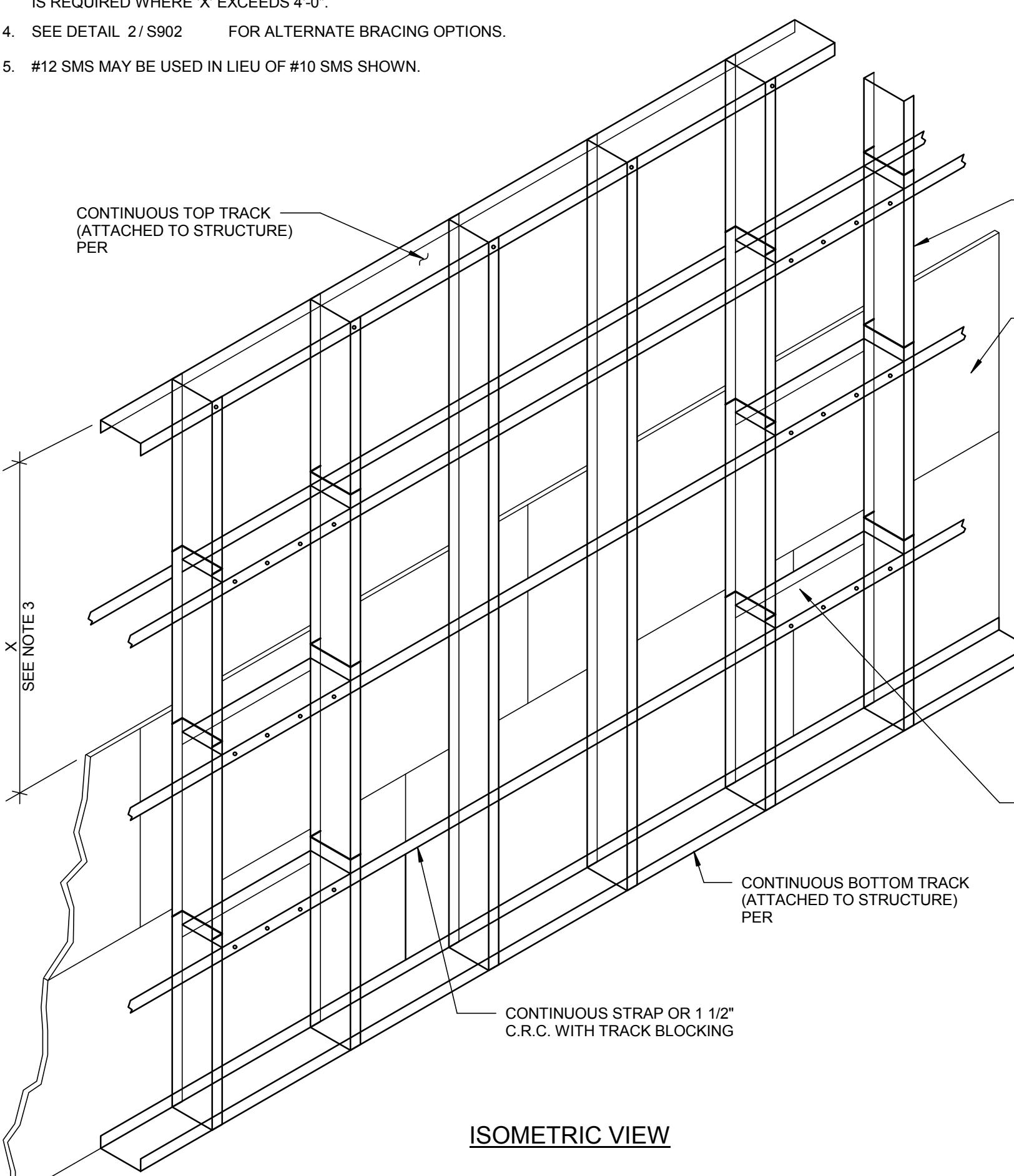
S902



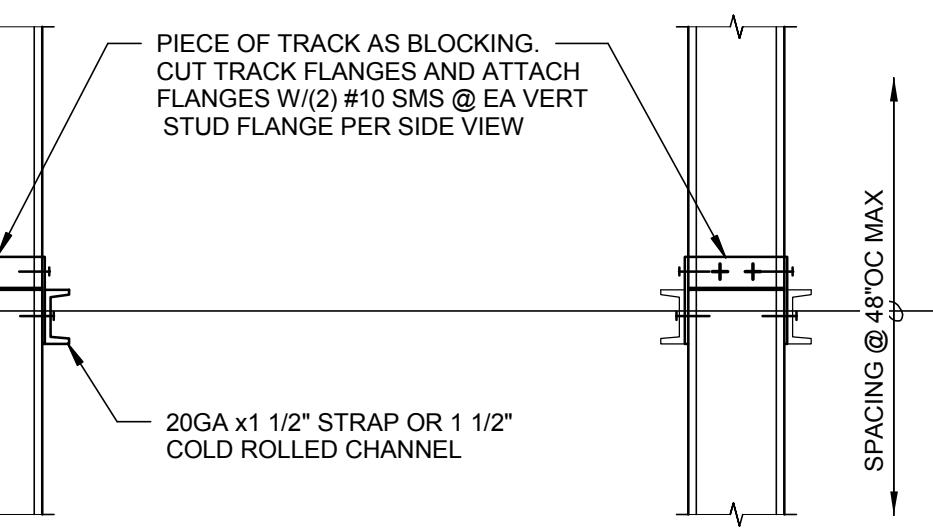
- NOTES:**
1. LATERAL BRACING OF METAL STUDS REQUIRED WHEN GYP BOARD IS NOT PROVIDED ON BOTH SIDES OF METAL STUD.
 2. BRIDGING/BRACING TO BE SPACED AT 4'-0" OC MAX VERTICALLY.
 3. WHERE ARCHITECTURAL DRAWINGS DO NOT REQUIRE GYP BOARD TO EXTEND THE FULL WALL HEIGHT, LATERAL BRACING IS REQUIRED WHERE 'X' EXCEEDS 4'-0".
 4. SEE DETAIL 2/S902 FOR ALTERNATE BRACING OPTIONS.
 5. #12 SMS MAY BE USED IN LIEU OF #10 SMS SHOWN.

3 STEEL STUD BACKING DETAIL

SCALE: 1" = 1'-0"



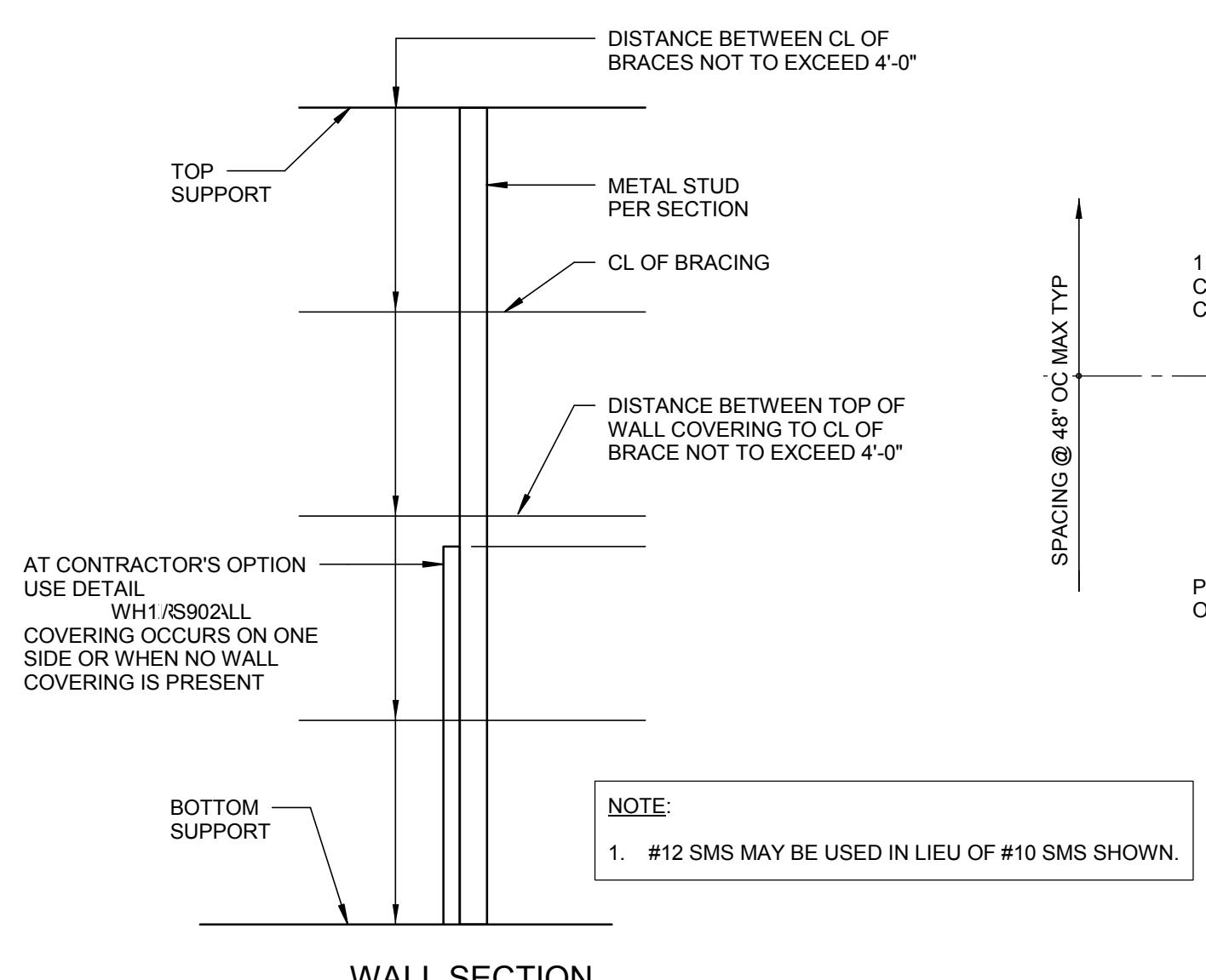
SIDE VIEW



SECTION THROUGH STRAP BRACING

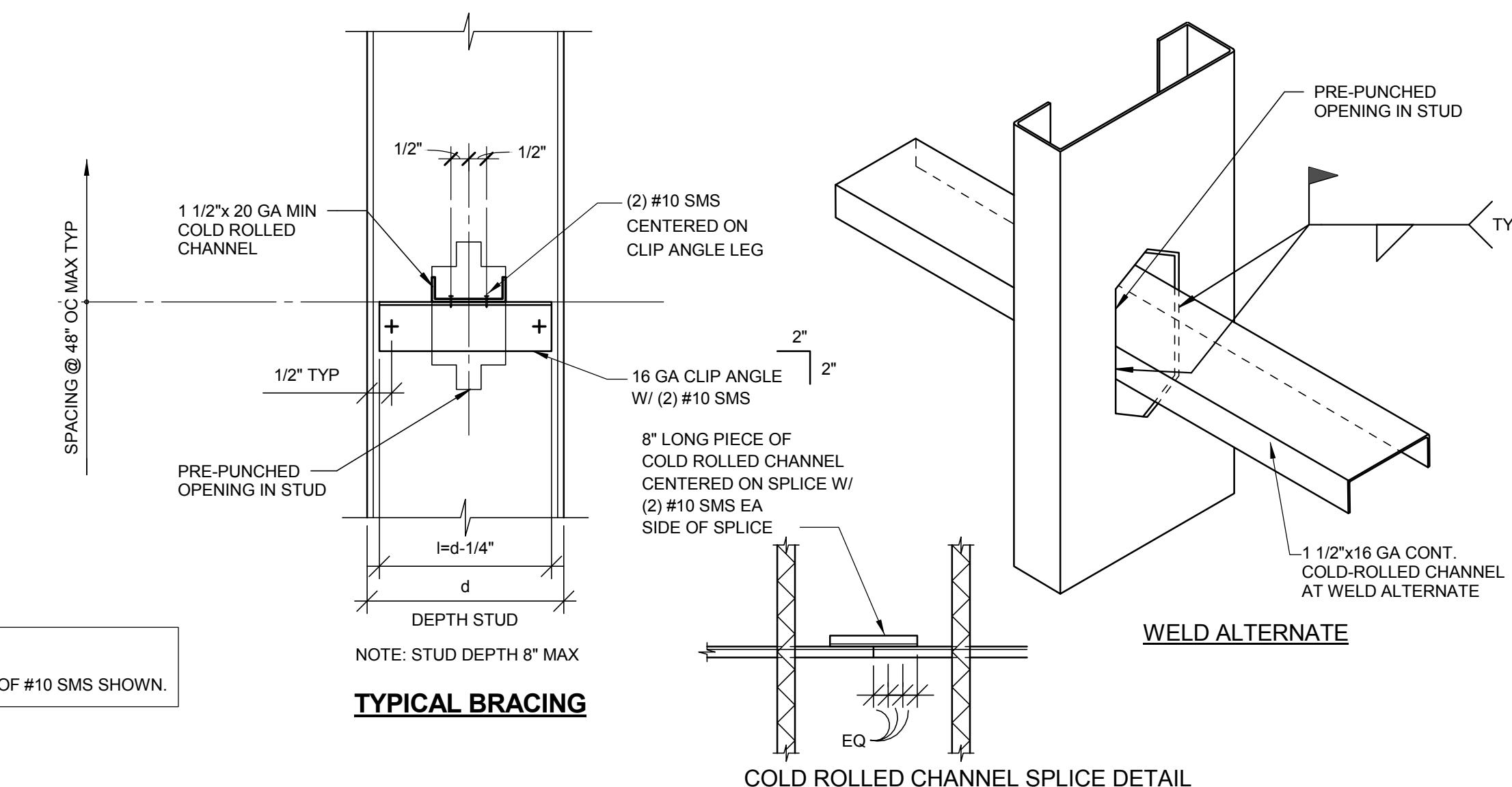
1 METAL STUD BRACING DETAIL

SCALE: 1" = 1'-0"



2 ALTERNATE WALL BRACING DETAIL

SCALE: NTS



COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:

kpff

412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:

City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

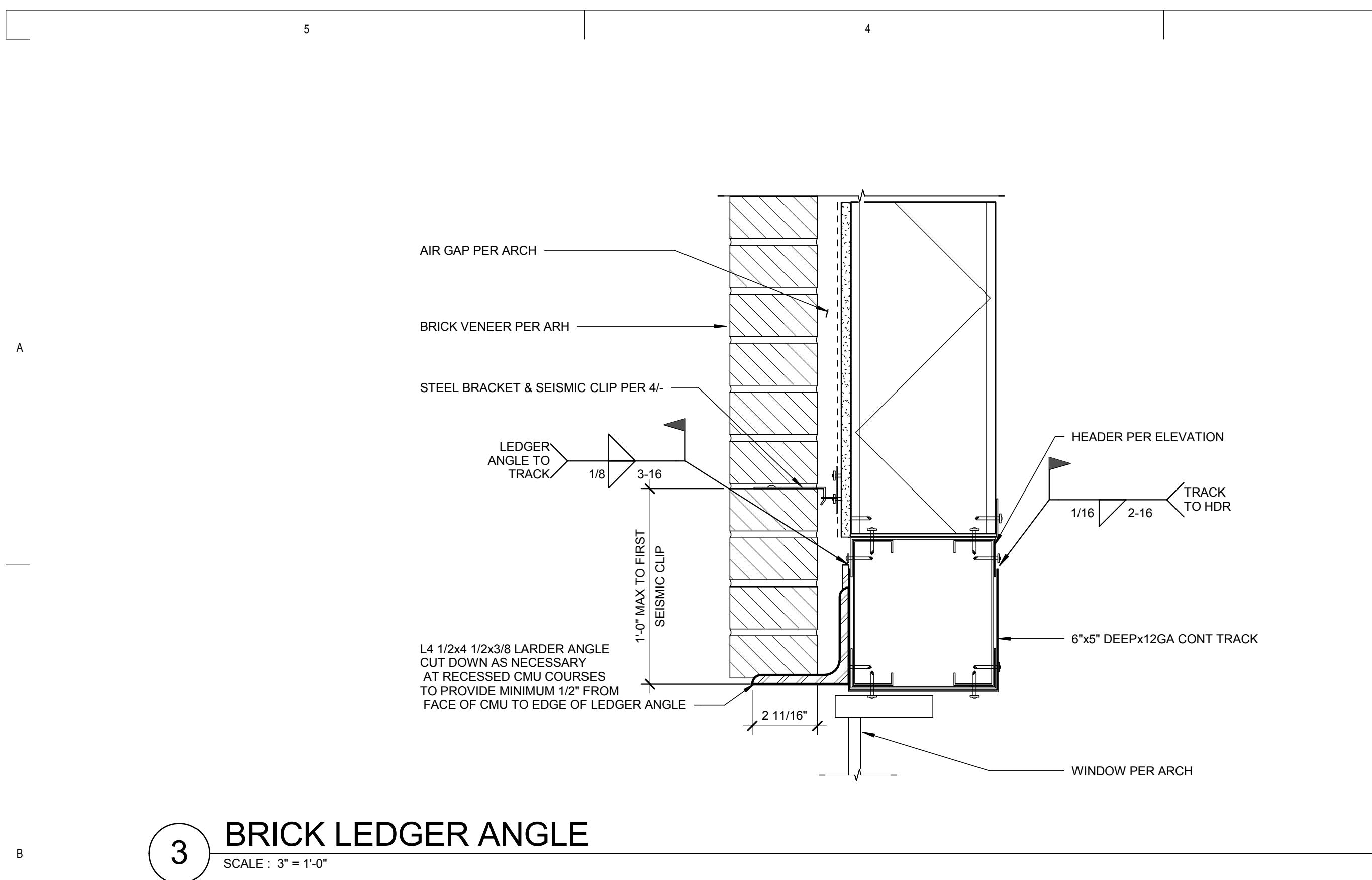
PROJECT PHASE 75% CD

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	J. Chaffield
PROJECT ARCHITECT	J. Chaffield
DESIGN	J. Chaffield
DRAWN BY	Author

SHEET NAME:

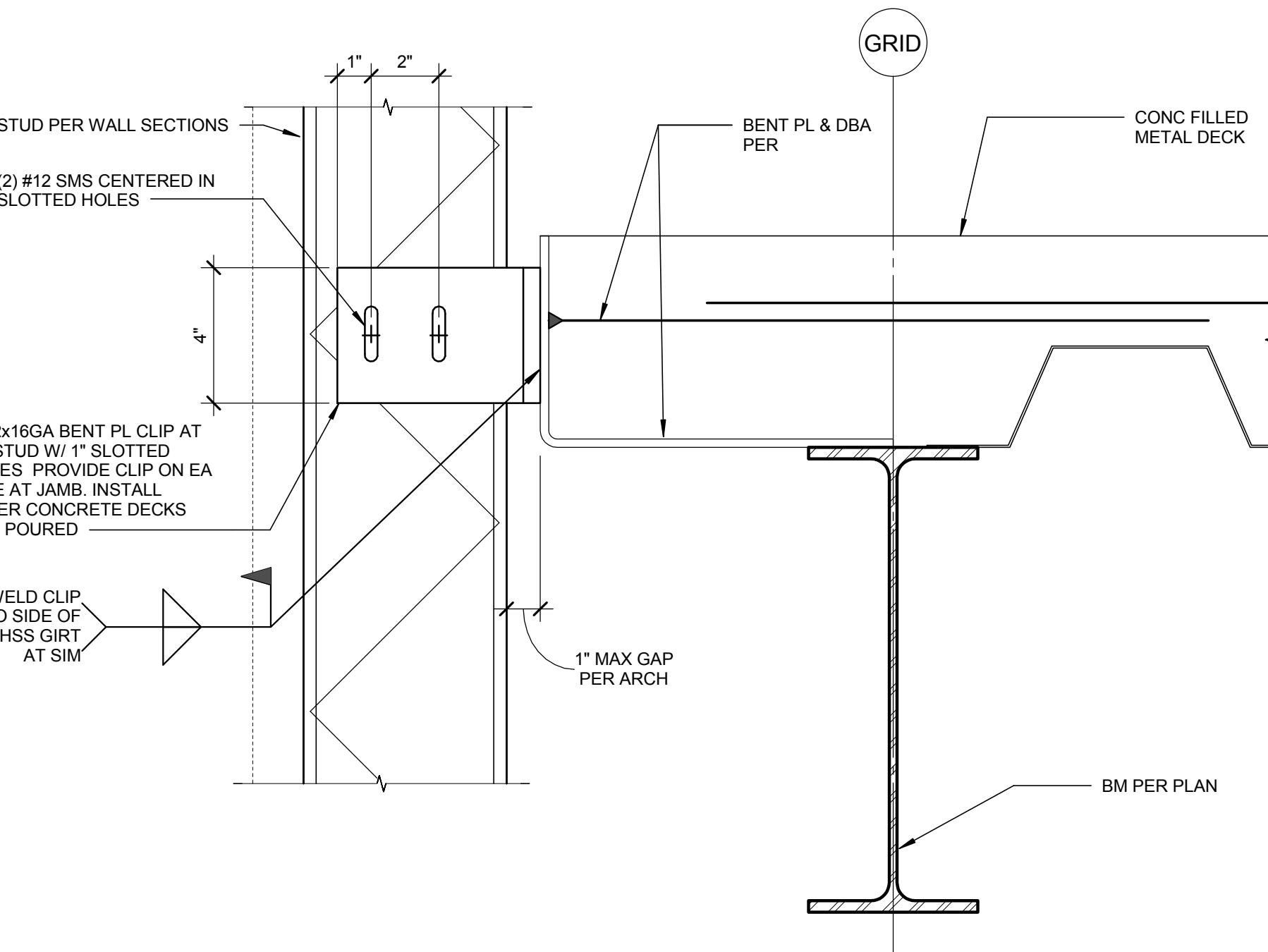
EXTERIOR WALL
TYPICAL DETAILS

S903



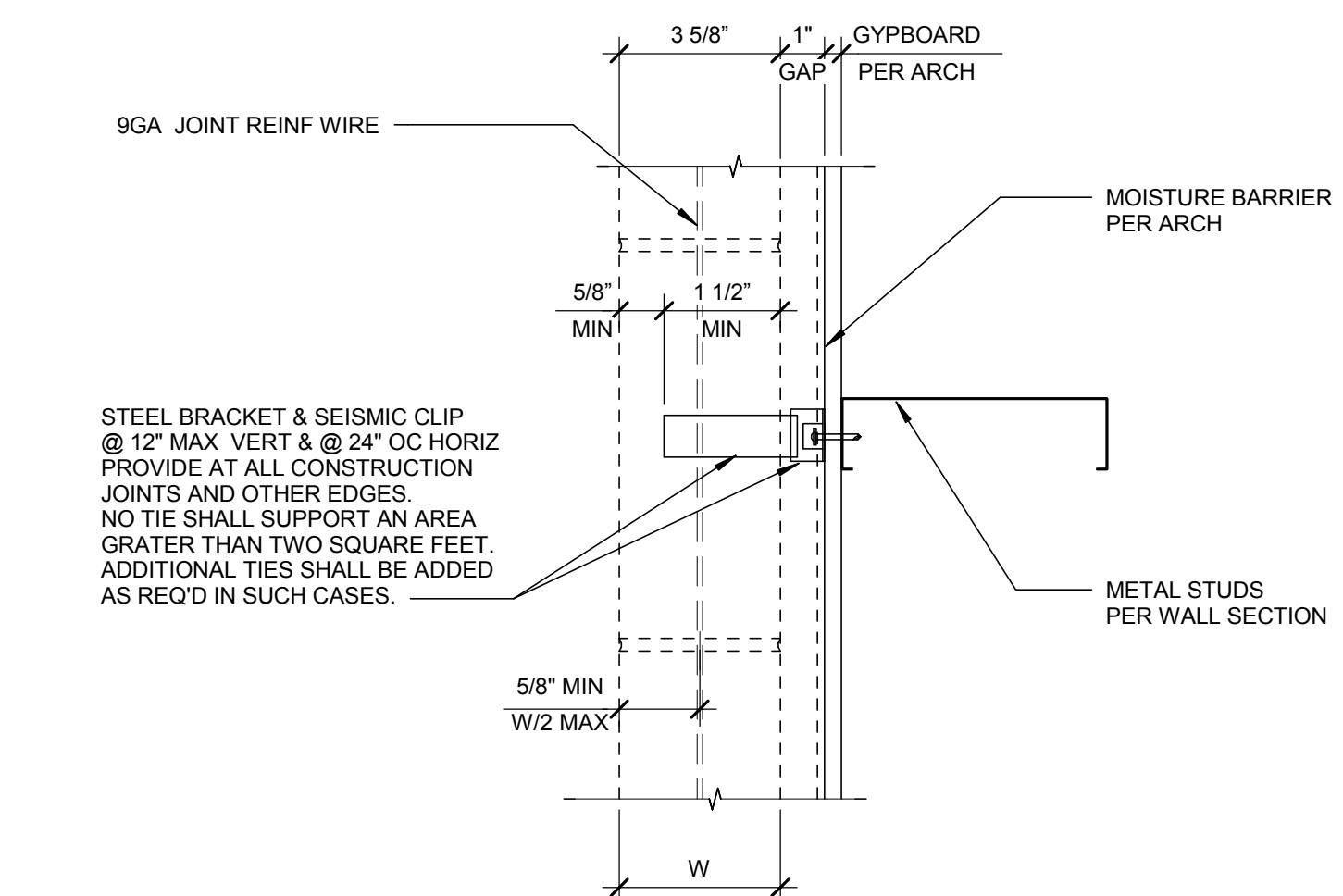
3 BRICK LEDGER ANGLE

SCALE : 3" = 1'-0"



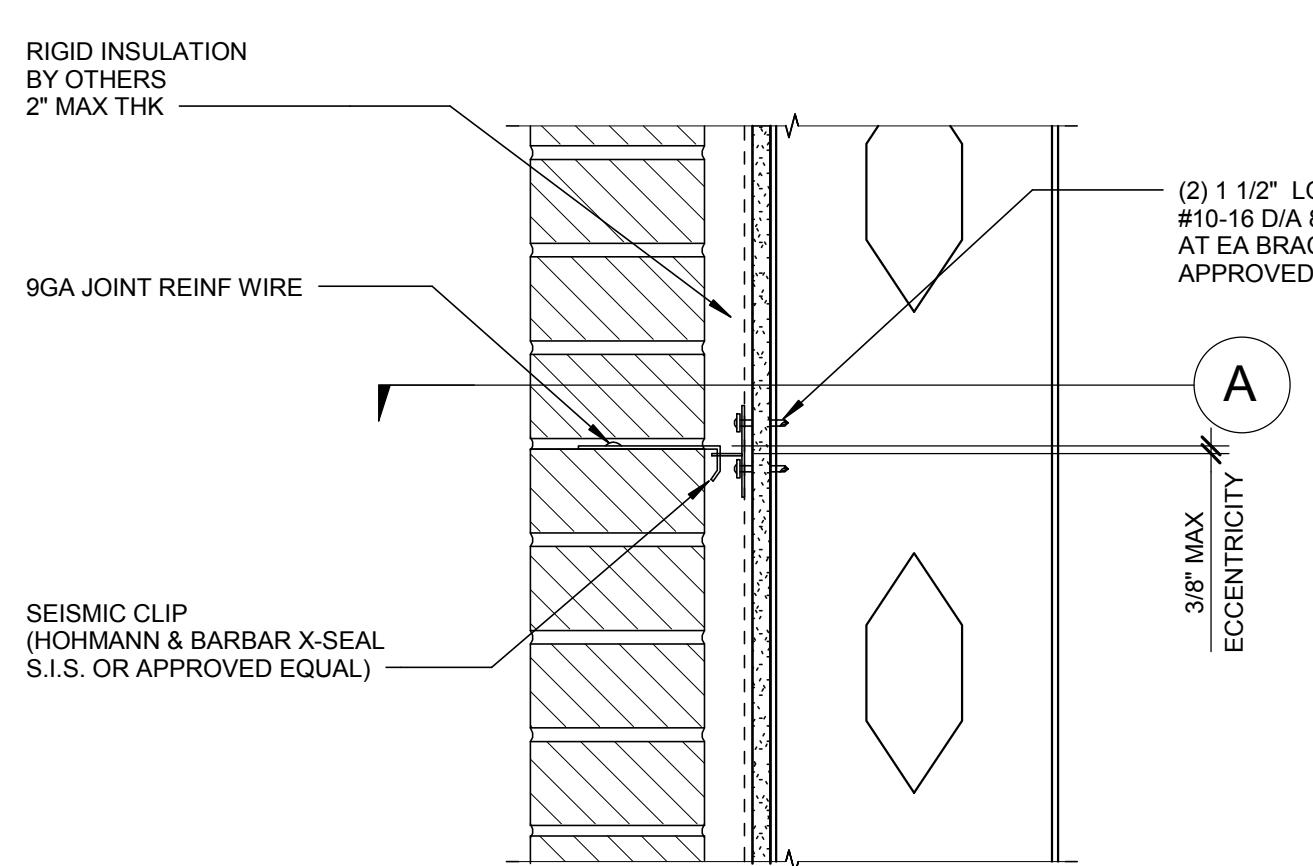
1 TYPICAL METAL STUD CONN TO CONC DECK

SCALE : 3" = 1'-0"



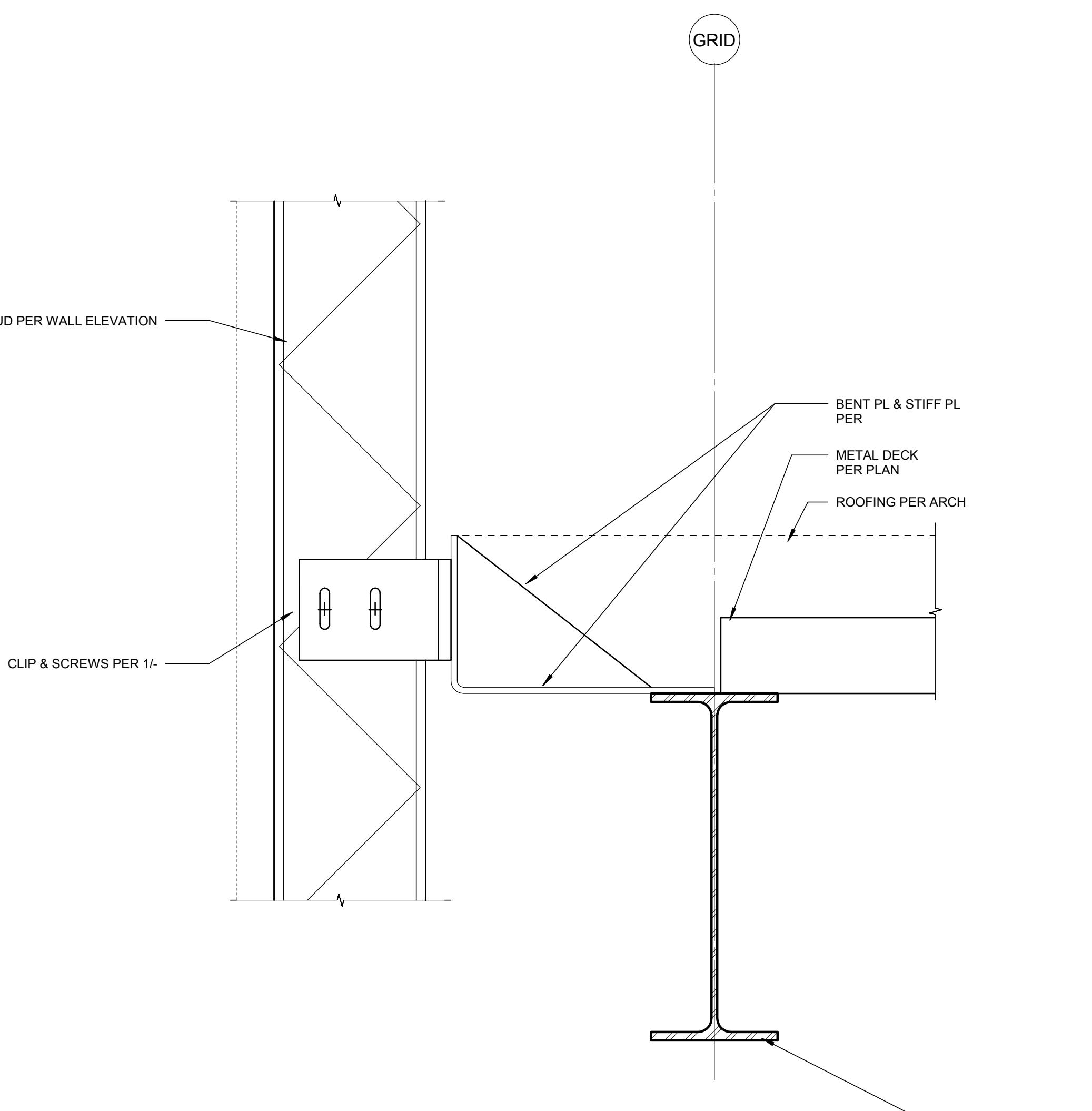
4A SECTION

SCALE : 3" = 1'-0"



4 TYPICAL BRICK METAL STUD CONN

SCALE : 3" = 1'-0"



2 TYPICAL METAL STUD CONN TO METAL DECK

SCALE : 3" = 1'-0"

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



TCA
architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



412 E. Parkcenter Blvd., Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	J. Chaffield
PROJECT ARCHITECT	J. Chaffield
DESIGN	J. Chaffield
DRAWN BY	Author

SHEET NAME:

**EXTERIOR WALL
TYPICAL DETAILS**

D SHEET NUMBER:

S904

11.09.15



1

TYPICAL ROOF LEVEL SPANDREL FRAMING

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

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 621 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3620

STAMP:

NOT FOR CONSTRUCTION

CONSULTANT:



412 E. Parkcenter Blvd, Suite 204
Boise, ID 83706
O: 208.336.6985
www.kpff.com

PROJECT INFORMATION:



City of Boise Fire Station #8
3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

PROJECT PHASE	75% CD
PROJECT NUMBER	114747.2
PROJECT MANAGER	J. Chaffield
PROJECT ARCHITECT	J. Chaffield
DESIGN	J. Chaffield
DRAWN BY	Author

SHEET NAME:

**TYPICAL EXTERIOR
WALL DETAILS**

D SHEET NUMBER:

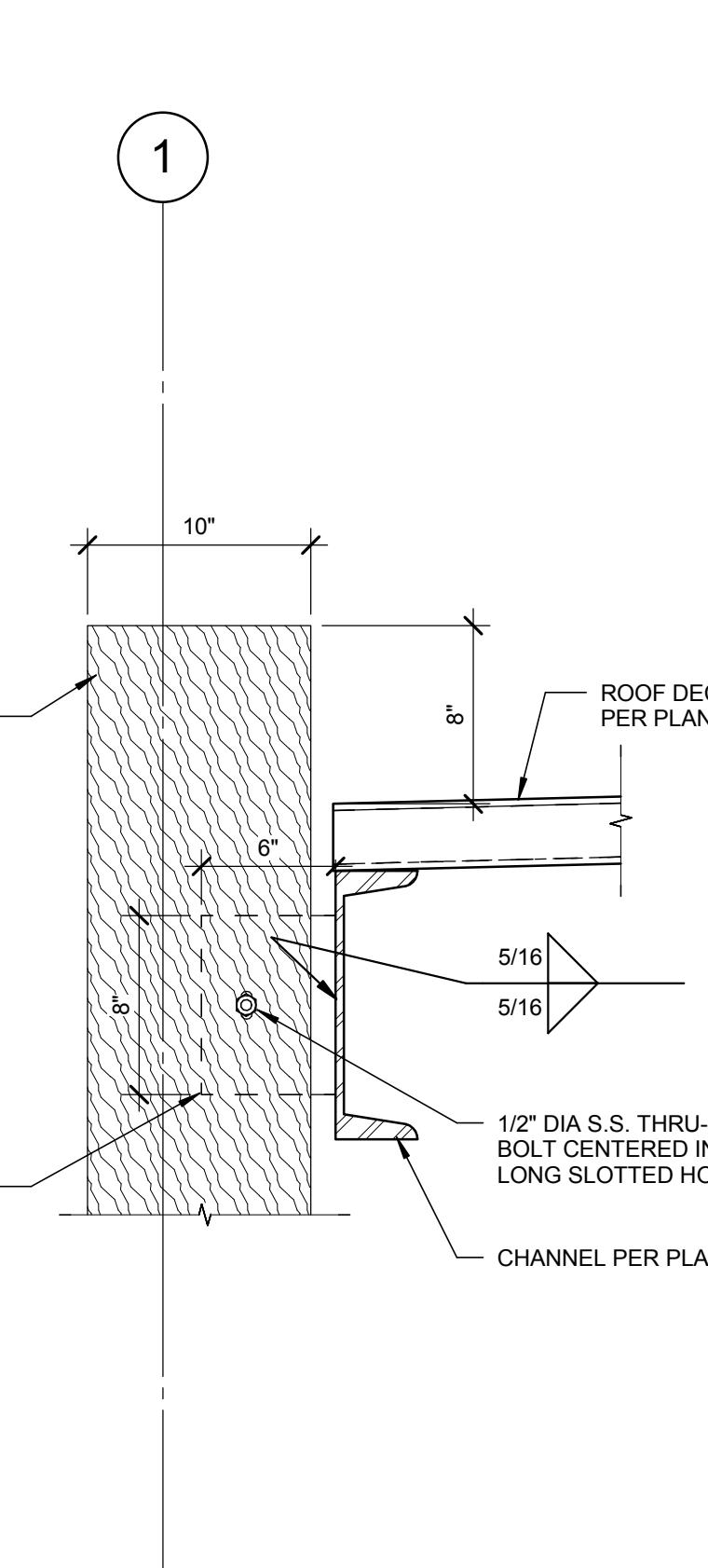
S905

A

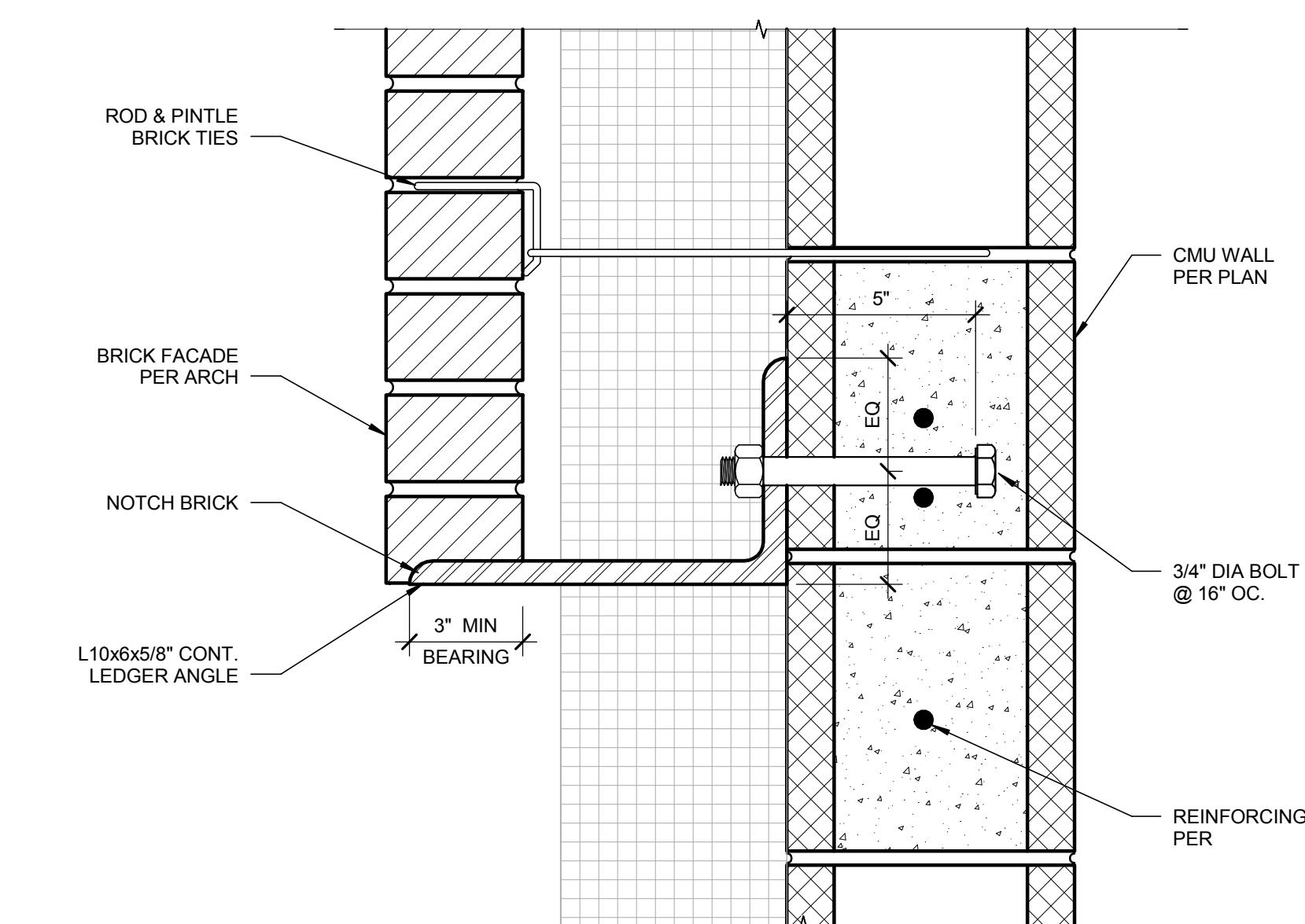
B

C

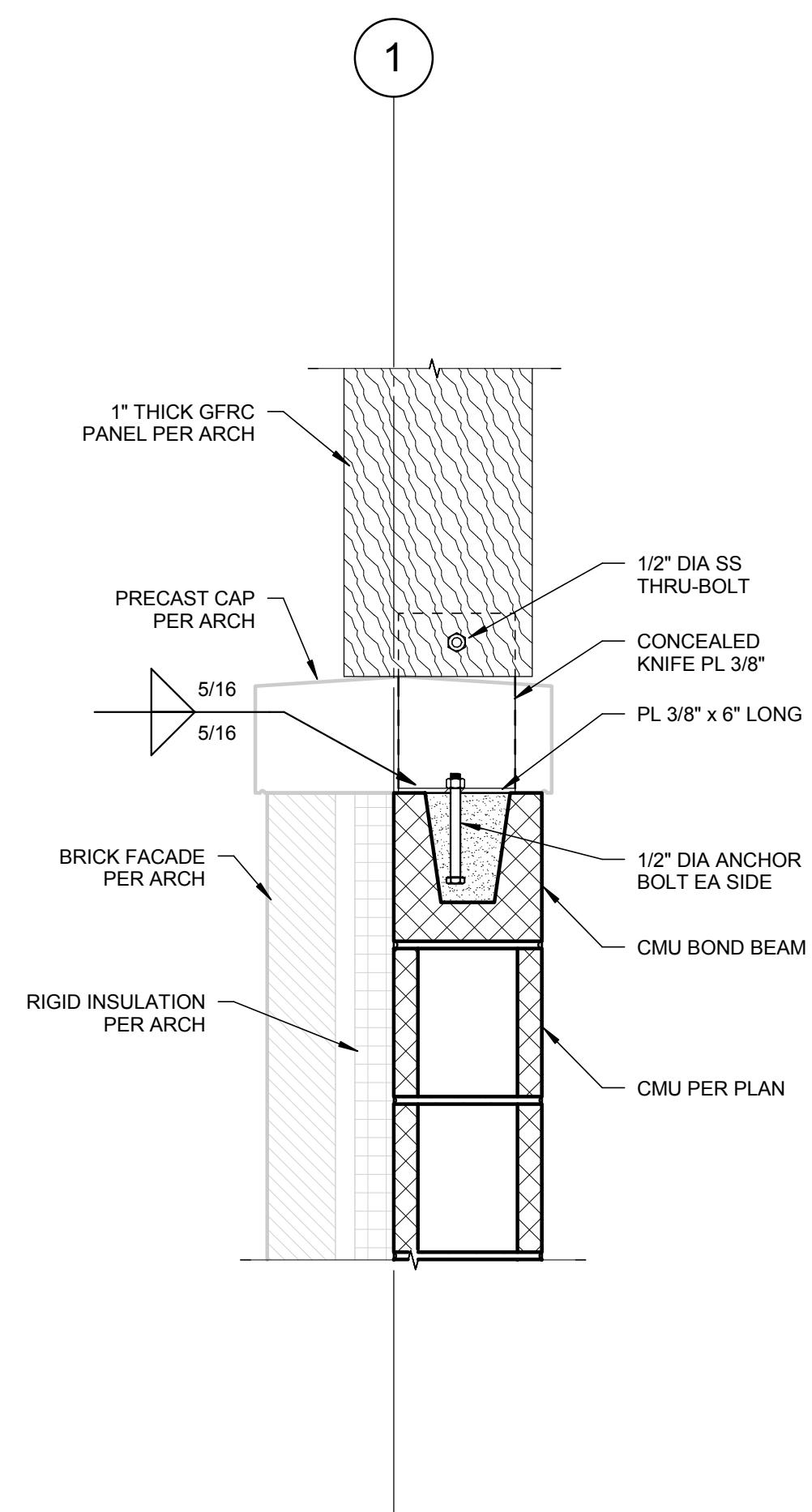
D



1 SHADING DEVICE CONNECTION
SCALE : 1 1/2" = 1'-0"



1 RELIEF ANGLE AT CMU WALL
SCALE : 3" = 1'-0"



3 SHADING DEVICE CONNECTION
SCALE : 1 1/2" = 1'-0"

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY



CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisewood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

PROJECT ARCHITECT J. Chatfield

DESIGN J. Chatfield

DRAWN BY LR

SHEET NAME:

MECHANICAL COVER SHEET

MOOO

SHEET NUMBER:

01.04.16

MECHANICAL ABBREVIATIONS

A/C or AC	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS
AV	ACID VENT LINE
AW	ACID WASTE LINE
BTU	BRITISH THERMAL UNITS
BTUh	BTUS PER HOUR
CA	COMBUSTION AIR
CD	CONDENSATE DRAIN LINE
CDR	CONDENSER WATER RETURN
CDS	CONDENSER WATER SUPPLY
CFM	AIR FLOW RATE (CUBIC FEET PER MINUTE)
CH	COLD
CW	DOMESTIC COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DEG or °	DEGREE
DIA or "	DIAMETER
DB	DRY BULB
DHW	DOMESTIC HOT WATER RETURN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
ESP	EXTERNAL STATIC PRESSURE
EWT	EXTERNAL WATER TEMPERATURE
F	FIRE SPRINKLER LINE
FCO	FLOOR CLEANOUT
FD	FIRE DAMPER
FL	FLOOR
FPM	FEET PER MINUTE
FS	FLOW SWITCH
FT	FEET
G	LOW PRESSURE NATURAL GAS
GA	GAUGE
GCO	GRADE CLEANOUT
GPM	WATER FLOW RATE (GALLONS PER MINUTE)
GHR	DOMESTIC HOT WATER
GWS	GEOTHERMAL WATER SUPPLY
HC	HEATING COOLING
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWT	DOMESTIC HOT WATER
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
IBC	INTERNATIONAL BUILDING CODE
IECC	INTERNATIONAL ENERGY CONSERVATION CODE
IFC	INTERNATIONAL FIRE CODE
IFGC	INTERNATIONAL FUEL GAS CODE
IMC	INTERNATIONAL MECHANICAL CODE
IPC	INTERNATIONAL PLUMBING CODE
KW	KILOWATT
KWH	KILOWATT HOUR
L	LIQUID REFRIGERANT LINE
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LEED	LEADERSHIP IN ENERGY & ENVIRONMENTAL DESIGN
LWT	LEAVING WATER TEMPERATURE
M	MOTORIZED DAMPER
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPG	MEDIUM PRESSURE NATURAL GAS
NC	NOISE CRITERIA
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTS	NOT TO SCALE
OD	OVERFLOW DRAIN LINE
OSA	OUTSIDE AIR
PD	PRESSURE DROP
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PA	RETURN AIR
RD	ROOF DRAIN LINE
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
S	SUCTION REFRIGERANT LINE
SA	SUPPLY AIR
SD	STORM DRAIN LINE
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SFD	SEASONAL FIRE/SMOKE DAMPER
SIP	SUPER INSULATION PIPE
SYM	SYMBOL
T & P	TEMPERATURE AND PRESSURE
TEMP	TEMPERATURE
TS	TEMPERATURE SENSOR (DUCT OR PIPING)
TYP	TYPICAL
UPC	UNIFORM PLUMBING CODE
U	URINAL
WB	WET-BULB
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER

NOTE: THIS IS A STANDARD LIST OF COMMONLY USED MECHANICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

MECHANICAL GENERAL NOTES

- ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (IMC) LATEST EDITION, AND ALL LOCAL & STATE CODES.
- ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE IDAHO STATE PLUMBING CODE LATEST EDITION, AND ALL LOCAL & STATE CODES.
- ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- MECHANICAL CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER.
- MECHANICAL CONTRACTORS SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- THE MECHANICAL CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
- SEE SHEET M401 FOR SCHEDULED CAPACITIES OF ALL MECHANICAL EQUIPMENT AND MATERIALS SPECIFIED.
- DOMESTIC WATER SERVICE IS PROVIDED WITH A DOUBLE CHECK BACKFLOW PREVENTER.
- ALL MECHANICAL EQUIPMENT TO BE PROPOSED MUST BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT.
- RUNOUT AND HOOKUP SIZES TO INDIVIDUAL PLUMBING FIXTURE CAN BE FOUND ON THE PLUMBING FIXTURE SCHEDULES, SHEET P401.
- PROVIDE REMOTE CEILING ACCESS BALANCE DAMPERS WITH CONCEALED CHROME PLATE COVERS FOR BALANCE DAMPERS LOCATED ABOVE HARD CEILINGS.
- PAINT ALL VTRS, FLUES, EXHAUST CAPS, AND OTHER MECHANICAL ITEMS ON THE ROOF TO MATCH THE ROOF COLOR.
- INSULATED FLEXIBLE DUCTWORK MAY BE USED FOR RUNOUTS TO GRILLES AND DIFFUSERS, IN LENGTHS OF 6'-0" OR LESS.
- MAINTAIN MINIMUM OF 10'-0" DISTANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST OR GAS FLUE DISCHARGES.
- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL BACKFLOW DEVICES TO BE INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN BEFORE THE USE OF THE BUILDING POTABLE WATER SYSTEM.
- LOCATE ACCESS HATCHES SO AS TO PROVIDE OPTIMUM SERVICEABILITY TO EQUIPMENT AND/OR VALVING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND COLOR. COORDINATE LOCATION WITH STRUCTURAL & LIGHTING.
- WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.

MECHANICAL AND PLUMBING DRAWINGS LEGEND

	FLEXIBLE DUCTWORK		THREE WAY CONTROL VALVE
	DUCTWORK		TWO WAY CONTROL VALVE
	DUCTWORK BREAK		PRESSURE REDUCING VALVE
	DUCTWORK OR PIPING RISE		GATE VALVE
	CONCENTRIC SQUARE TO ROUND TRANSITION		REDUCER
	MOTORIZED DAMPER		GLOBE VALVE
	MANUAL VOLUME DAMPER		BALL VALVE
	SPIN-FIT FITTING W/ AIR EXTRACTOR AND HAND DAMPER		BUTTERFLY VALVE
	HIGH EFFICIENCY FITTING W/ HAND DAMPER		BALANCE VALVE
	SWITCH		CHECK VALVE
	THERMOSTAT		FLOOR CLEANOUT
	HUMIDISTAT		WALL CLEANOUT
	TEMPERATURE SENSOR		GRADE CLEANOUT
	CARBON DIOXIDE SENSOR		WATER HAMMER ARRESTOR
	CARBON MONOXIDE SENSOR		FLOOR DRAIN
	NITROUS OXIDE SENSOR		FLOOR SINK
	DUCT SMOKE DETECTOR		GAS PRESSURE REGULATOR W/ GAS COCK
	COMBINATION SMOKE/FIRE DAMPER		PRESSURE RELIEF VALVE
	FIRE DAMPER		VENT-THROUGH-ROOF
	SMOKE DAMPER		VENT
	EQUIPMENT CALLOUT		SOIL, WASTE, OR SANITARY SEWER
	TURNING VANES		ACID WASTE LINE
	INTAKE OR EXHAUST		ACID VENT LINE
	DIRECTION OF AIRFLOW		STORM DRAIN
	SUPPLY DIFFUSER		ROOF DRAIN LINE
	RETURN GRILLE		OVERFLOW DRAIN LINE
	EXHAUST GRILLE		CONDENSATE DRAIN LINE
	FLOOR GRILLE		DOMESTIC COLD WATER (CW)
	CEILING EXHAUST FAN		DOMESTIC HOT WATER (HW)
	TEMPERATURE GAUGE		DOMESTIC HOT WATER RETURN (HWR)
	PRESSURE GAUGE (LIQUID FILLED W/ ISOLATION VALVE)		TEMPERED WATER (TW)
	TEMPERATURE SENSOR (DUCT OR PIPING)		MEDIUM PRESSURE NATURAL GAS
	FLOW SWITCH		LOW PRESSURE NATURAL GAS
	STAINLESS STEEL BRAIDED FLEX CONNECTION		FIRE SPRINKLER LINE
	ELASTOMETRIC FLEX CONNECTOR		GEOTHERMAL WATER SUPPLY
	SUCTION DIFFUSER		GEOTHERMAL WATER RETURN
	Y TYPE STRAINER (1 1/2" OR LARGER PROVIDED W/ BLOW DOWN VALVE)		CHILLED WATER SUPPLY
	FLOW DIRECTION		CHILLED WATER RETURN
	DEMOLITION / EQUIPMENT TO BE REMOVED		CONDENSER WATER SUPPLY
	NEW TO EXISTING CONNECTION POINT		CONDENSER WATER RETURN
	EXISTING		HEATING WATER SUPPLY
	FUTURE		HEATING WATER RETURN
	NEW		LIQUID REFRIGERANT LINE
	REDUCED PRESSURE BACKFLOW PREVENTER		SUCTION REFRIGERANT LINE
	DOUBLE CHECK BACKFLOW PREVENTER		SLOPE PIPE IN DIRECTION OF ARROW
	UNION		PIPE ANCHOR
	AIR VENT		PIPE GUIDE
	TRIPLE DUTY VALVE		CAP

NOTE: THIS IS A LIST OF COMMONLY USED MECHANICAL AND PLUMBING SYMBOLS. SOME OF THE SYMBOLS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

ENERGY CODE COMPLIANCE

- A. COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE IS REQUIRED FOR THIS PROJECT. THESE NOTES COVER MANDATORY REQUIREMENTS OF THE CODE. ADDITIONAL REQUIREMENTS ARE NOTED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
- B. MINIMUM REQUIREMENTS FOR SUPPLY AND RETURN DUCTWORK INSULATION:
- R-5: DUCTS LOCATED IN UNCONDITIONED SPACES (SPACE NEITHER HEATED NOR COOLED SUCH AS ABOVE CEILING SPACES, WALL SPACES, DUCT CHASES, SOFFITS, ATTICS, CRAWL SPACES, UNHEATED BASEMENTS, AND UNHEATED GARAGES).
 - R-8: DUCTS LOCATED OUTSIDE OF THE BUILDING'S INSULATION ENVELOPE (SUCH AS ABOVE THE ATTIC INSULATION).
- TYPICAL INSULATION THICKNESS REQUIRED TO MEET THESE REQUIREMENTS:
1. FIBERGLASS DUCT WRAP: R-5 (2"), R-8 (3").
 2. FIBERGLASS DUCT LINER: R-5 (1 1/2"), R-8 (2").
- C. CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER, THE R-VALUES OF THE ACTUAL INSULATION USED. R-VALUES SHALL BE INSTALLED VALUES.
- D. WHERE DUCTS USED FOR COOLING ARE EXTERNALLY INSULATED, THE INSULATION SHALL BE COVERED WITH A VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM OR ALUMINUM FOIL HAVING A MINIMUM THICKNESS OF 2 MILS. INSULATION H

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

A
architecture • planning
TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY

NOT FOR
CONSTRUCTION
01-28-16

CONSULTANT:

B

**MUSGROVE
ENGINEERING, P.A.**
234 S. Whisperwood Way
Boise, Idaho 83709
208 394 0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

C

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
---------------	--------

PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:

D
**MECHANICAL
COMCHECK**

D
SHEET NUMBER:

M001

01.04.16

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:



CONSULTANT:



**MUSGROVE
ENGINEERING, P.A.**
234 S. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE **75% CD**

PROJECT NUMBER 15-28
PROJECT MANAGER J. Chatfield
PROJECT ARCHITECT J. Chatfield
DESIGN J. Chatfield
DRAWN BY LR

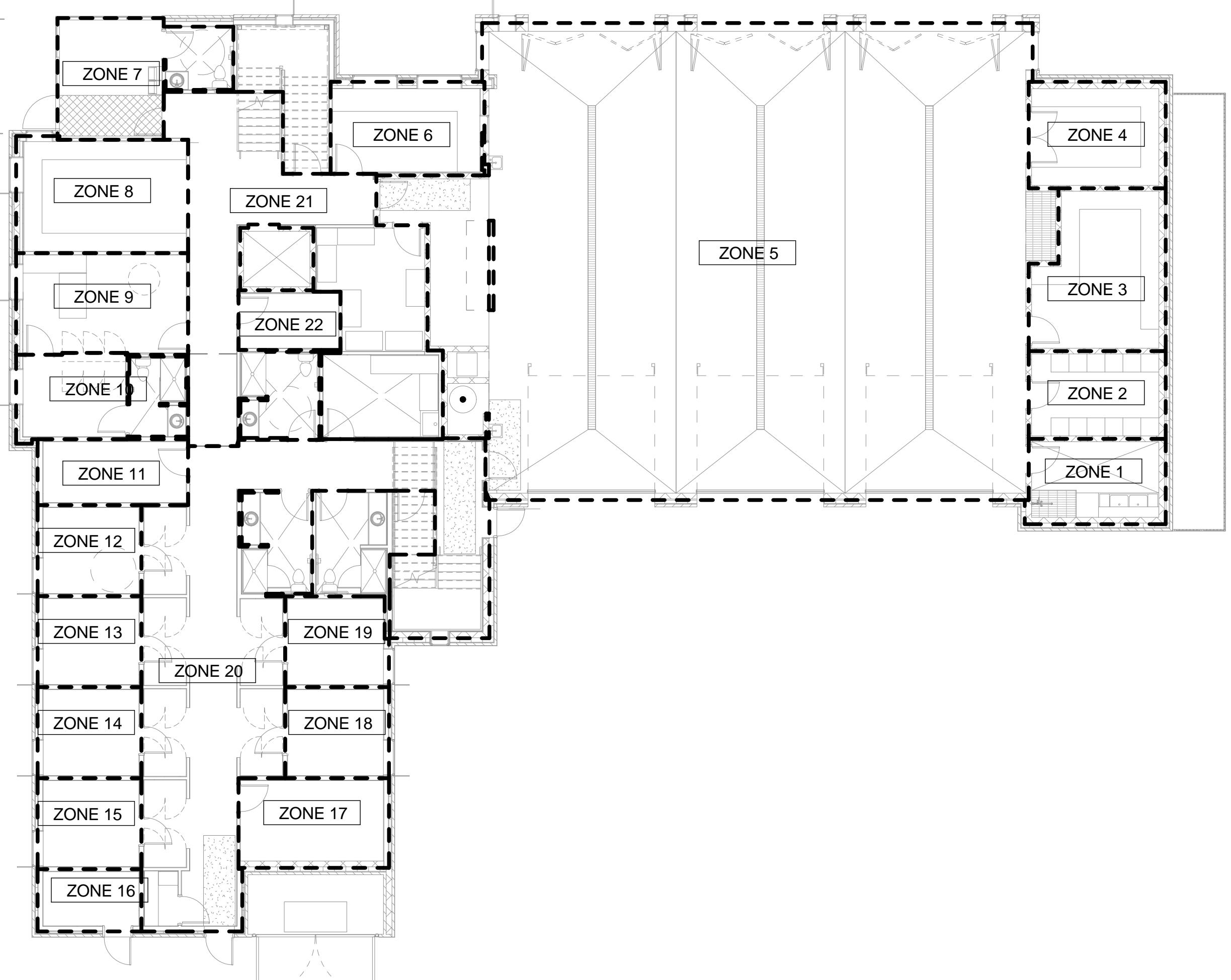
SHEET NAME:

**MECHANICAL ZONING
PLANS**

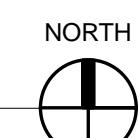
SHEET NUMBER:

M002

01.04.16



1ST FLOOR MECHANICAL ZONING PLAN
3/32" = 1'-0"



2ND FLOOR MECHANICAL ZONING PLAN
3/32" = 1'-0"

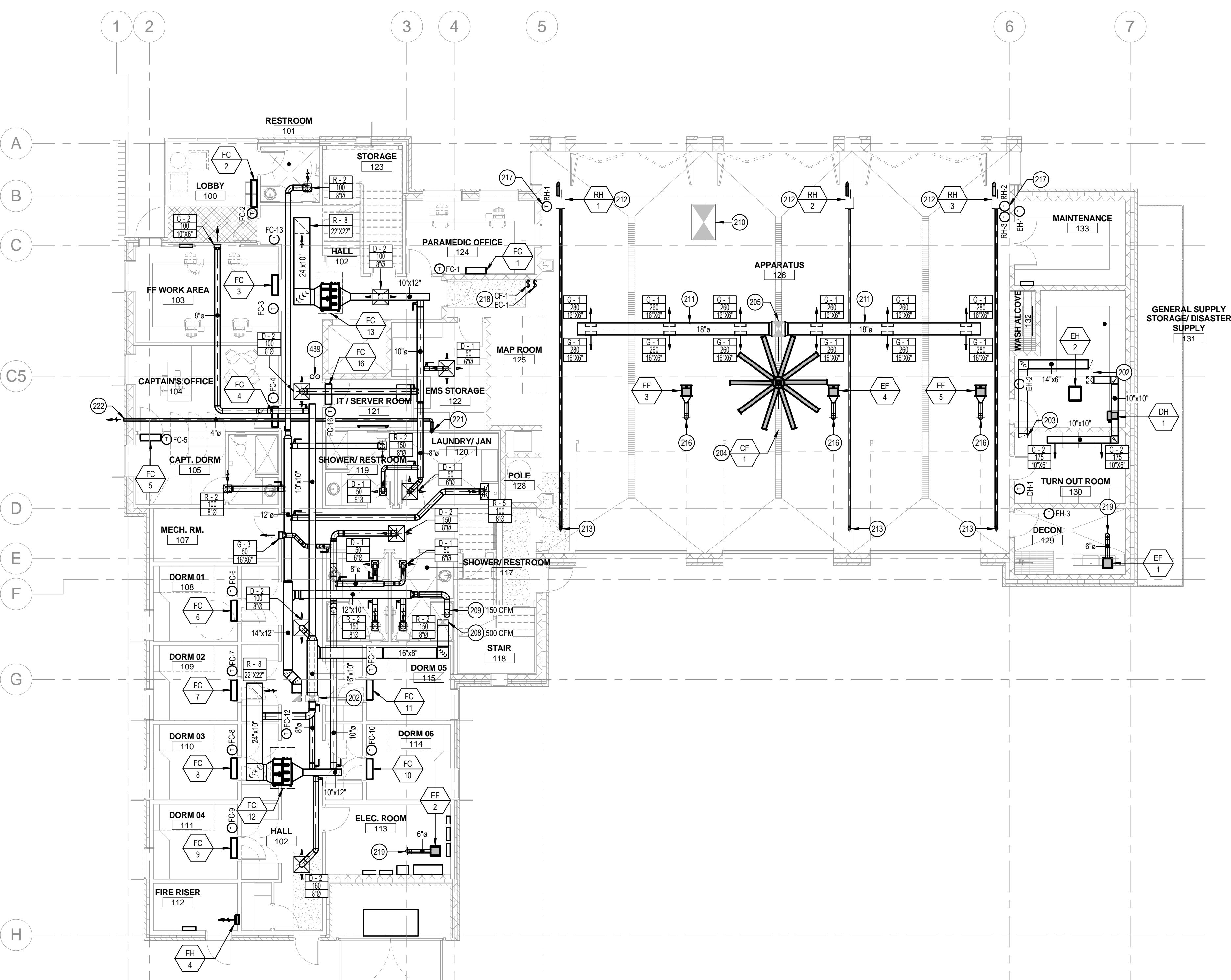


A

B

C

D



1ST FLOOR HVAC PLAN
1/8" = 1'-0"



KEYED NOTES

- 202 SUPPLY AND EXHAUST DUCT UP THROUGH ROOF TO ENERGY RECOVERY UNIT. TRANSITION DUCTWORK AS REQUIRED TO MATCH UNIT OPENINGS. REFER TO HVAC ROOF PLAN FOR CONTINUATION.
- 203 14"x6" EXHAUST DUCT DOWN TIGHT TO WALL. TERMINATE DUCT 18" AFF. COVER WITH EXPANDED METAL SCREEN (MIN. OF 1" OPENINGS).
- 204 MOUNT FAN AT 6'-0" BELOW CEILING. COORDINATE EXACT LOCATION WITH ARCHITECT.
- 205 20"x24" SUPPLY DUCT UP THROUGH ROOF TO EVAPORATIVE COOLER. REFER TO HVAC ROOF PLAN FOR CONTINUATION.
- 206 ROUTE OUTSIDE AIR SUPPLY DUCT UP THROUGH FLOOR IN CHASE ABOVE TO 2ND FLOOR CEILING SPACE. REFER TO 2ND FLOOR HVAC PLAN FOR CONTINUATION.
- 209 EXHAUST DUCT DOWN FROM ABOVE. REFER TO 2ND FLOOR HVAC PLAN FOR CONTINUATION.
- 210 ROUTE EXHAUST DUCT DOWN FROM PENTHOUSE IN FULL SIZE. TERMINATE 6' BELOW CEILING AND COVER OPENING WITH EXPANDED METAL SCREEN (MIN. OF 1" OPENINGS). PROVIDE 120V/10 LOW LEAKAGE MOTORIZED DAMPER.
- 211 ROUTE SUPPLY DUCT BETWEEN JOISTS AS HIGH AS POSSIBLE. DUCT SHALL BE PAINTLOCK SPIRAL. REFER TO SPIRAL DUCT SUPPORT DETAIL ON SHEET M301. REFER TO STRUCTURAL PLANS FOR CONNECTIONS TO STRUCTURAL MEMBERS.
- 212 GAS-FIRED RADIANT TUBE HEATER TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. ROUTE 4"x6" COMBUSTION AIR INTAKE UP THROUGH ROOF AS REQUIRED. REFER TO STRUCTURAL PLANS FOR CONNECTIONS TO STRUCTURAL MEMBERS.
- 213 ROUTE 4"x6" TYPE 'B' DOUBLE WALL VENT UP THROUGH ROOF. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO HVAC ROOF PLAN FOR CONTINUATION.
- 216 MOUNT EXHAUST FAN ON UNISTRUT PER ARCHITECTURAL PLANS. ROUTE 6"x6" TYPE 'B' DOUBLE WALL VENT FROM FAN OUTLET LOCATION UP THROUGH ROOF FOR EXHAUSTING OF VEHICLE EXHAUST SYSTEM. TERMINATE WITH ROOF CURE AND CAP. VEHICLE EXHAUST SYSTEM UPSTREAM OF EXHAUST FAN BY CITY OF BOISE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND FOR FURTHER REQUIREMENTS.
- 217 PROVIDE ELECTRICAL CONDUIT AND CONTROL WIRE TO THE VENT. ROUTE DOWN WALL TO AN ELECTRICAL JUNCTION BOX. FILL JUNCTION BOX WITH AN EXPANDABLE FOAM INSULATION. MOVE THERMOSTAT ON JUNCTION BOX. (TYPICAL OF ALL THERMOSTATS MOUNTED ON EXTERIOR WALLS)
- 218 PROVIDE WALL SWITCH (ON/OFF) WITH PILOT LIGHT FOR FAN CONTROL, WALL SWITCH (ON/OFF) WITH PILOT LIGHT FOR OPERATION OF SOLENOID VALVE FOR DRAIN DOWN OF EVAPORATIVE COOLER. PENTHOUSE PH-1 DAMPER SHALL OPEN WHEN EVAPORATIVE COOLER FAN IS ENERGIZED.
- 219 EXHAUST DUCT UP THROUGH ROOF. REFER TO HVAC ROOF PLAN FOR CONTINUATION.
- 221 4" DIAMETER SPIRAL GALVANIZED DRYER VENT. ROUTE UP TO CEILING SPACE. DUCT SHALL NOT BE CONNECTED OR INSTALLED USING SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE EXHAUST FLOW. PROVIDED CLEANOUT IN VERTICAL RISER. ROUTE DRYER VENT TO EXTERIOR WALL. PROVIDE OUTLET WITH BOOSTER FAN AND BACKDRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION.
- 222 TERMINATE DRYER VENT WITH WALL CAP.
- 439 ROUTE REFRIGERANT UP IN WALL ABOVE. REFER TO 2ND FLOOR HVAC PLAN FOR CONTINUATION.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

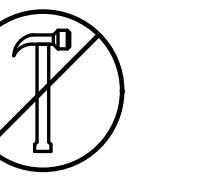


architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

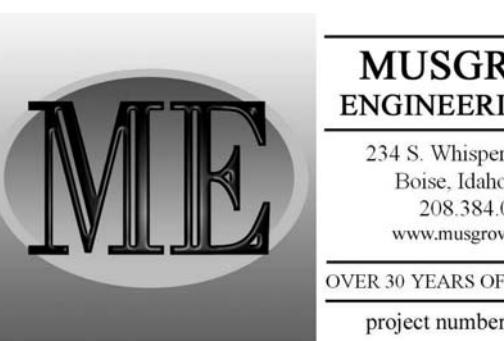
STAMP:

PRELIMINARY



NOT FOR CONSTRUCTION
01-28-16

CONSULTANT:



MUSGROVE
ENGINEERING, P.A.

234 S. Whisewood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:

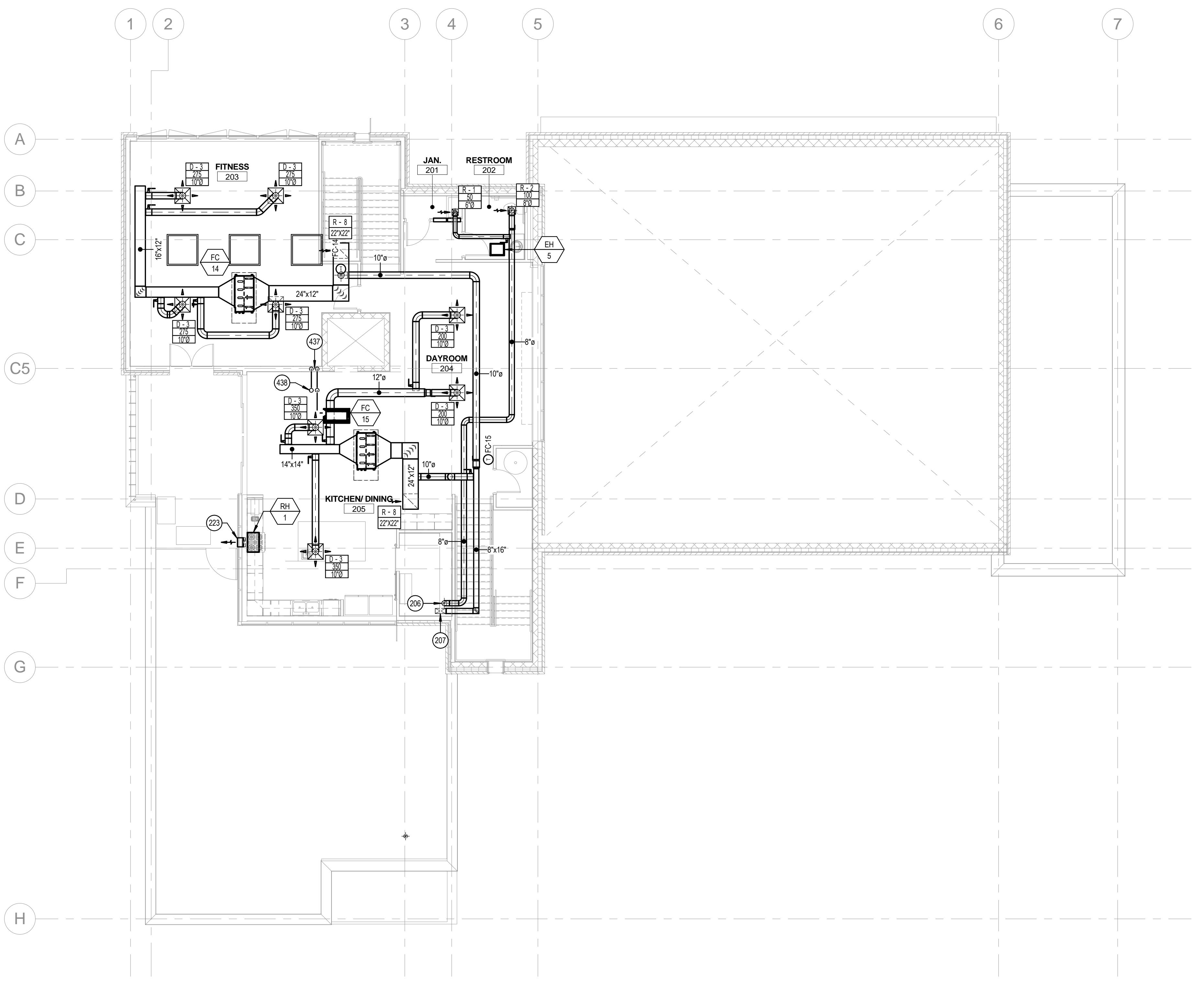
1ST FLOOR HVAC
PLAN

SHEET NUMBER:

M101

KEYED NOTES

- 206 EXHAUST DUCT DOWN IN CHASE TO FIRST FLOOR CEILING SPACE. REFER TO 1ST FLOOR HVAC PLAN FOR CONTINUATION.
 207 OUTSIDE AIR SUPPLY DUCT UP FROM BELOW. REFER TO 1ST FLOOR HVAC PLAN FOR CONTINUATION.
 223 ROUTE 3-1/4"X14" EXHAUST DUCT THROUGH EXTERIOR WALL AND TERMINATE WITH WALL CAP.
 437 REFRIGERANT PIPING UP FROM BELOW.
 438 ROUTE REFRIGERANT UP THROUGH ROOF TO ROOF MOUNTED CONDENSING UNIT. REFER TO HVAC ROOF PLAN.

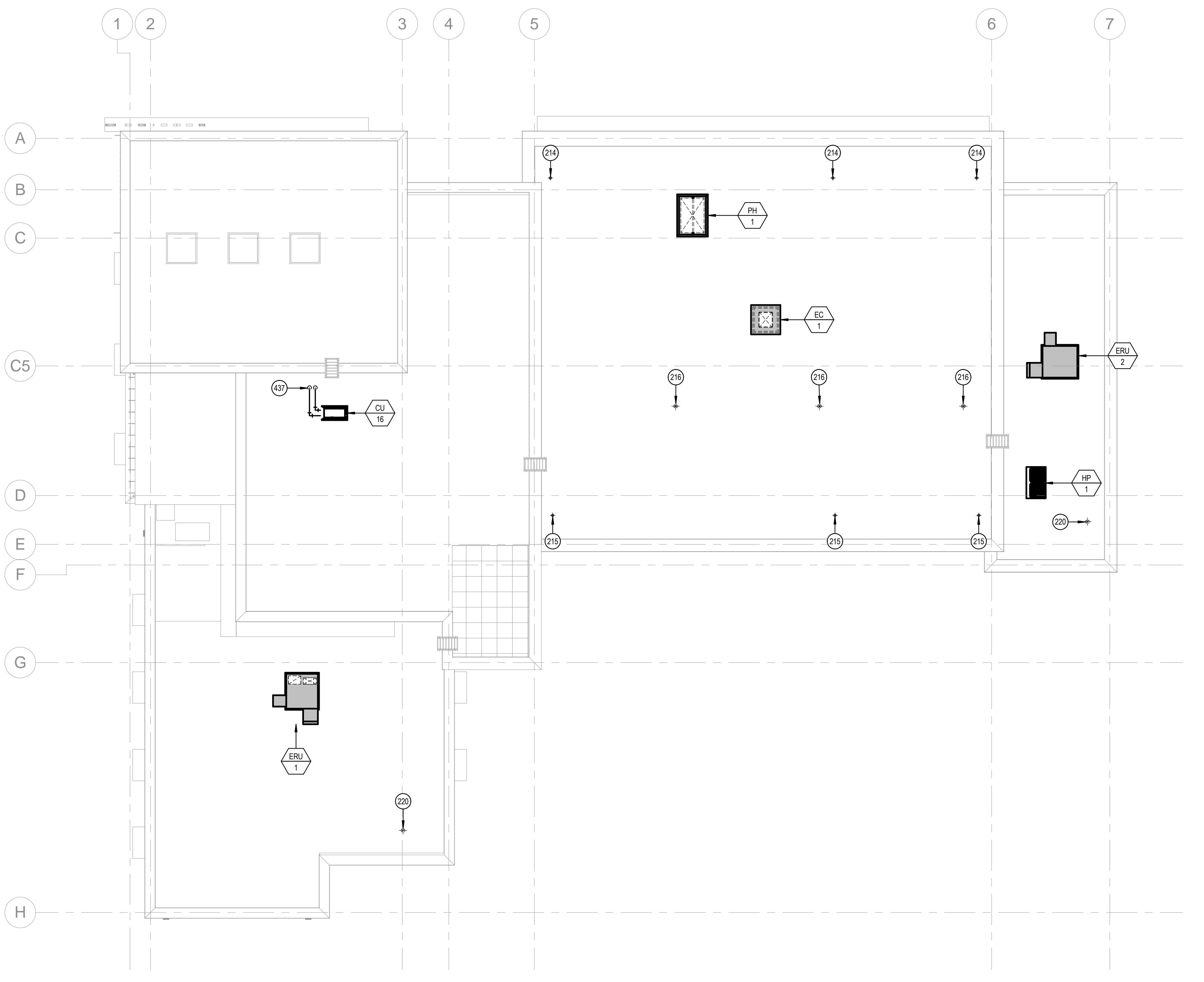


2ND FLOOR HVAC PLAN
1/8" = 1'-0"



2ND FLOOR HVAC
PLAN

M102



KEYED NOTES

- 214 COMBUSTION AIR INTAKE TO GAS-FIRED RADIANT TUBE HEATER BELOW.
- 215 TYPE 'B' DOUBLE WALL VENT UP FROM BELOW. TERMINATE WITH APPROVED VENT CAP.
- 216 MOUNT EXHAUST FAN ON UNISTRUT PER ARCHITECTURAL PLANS. ROUTE 6'6" TYPE 'B' DOUBLE WALL VENT FROM FAN OUTLET LOCATION UP THROUGH ROOF FOR EXHAUSTING OF VEHICLE EXHAUST SYSTEM. TERMINATE WITH ROOF CURB AND CAP. VEHICLE EXHAUST SYSTEM UPSTREAM OF EXHAUST FAN BY CITY OF BOISE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND FOR FURTHER REQUIREMENTS.
- 220 EXHAUST DUCT UP FROM BELOW. TERMINATE WITH ROOF CURB AND CAP.
- 437 REFRIGERANT PIPING UP FROM BELOW.

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY

NOT FOR CONSTRUCTION
01-28-16

CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisperwood Way
Boise, Idaho 83709
208 394 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE!
project number: 15-125

PROJECT INFORMATION:

City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:

HVAC ROOF PLAN
1/8" = 1'-0"
NORTH
SHEET NUMBER:

M103

01.04.16

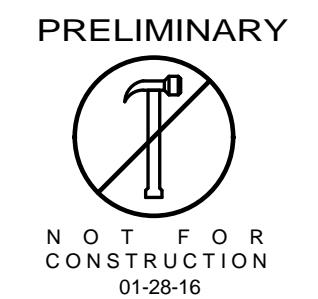
COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



A
architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:



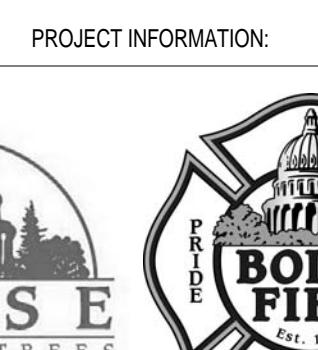
B
CONSULTANT:



MUSGROVE
ENGINEERING, P.A.

234 S. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE
project number: 15-125



C
PROJECT INFORMATION:
City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:

**D
HVAC VRF PIPING &
WIRING DIAGRAMS**

SHEET NUMBER:

M201

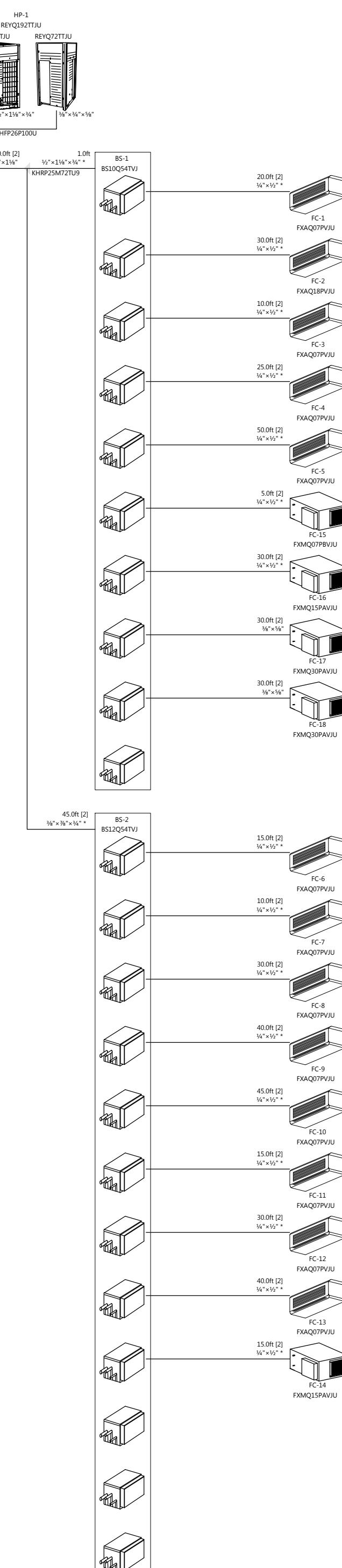
A

B

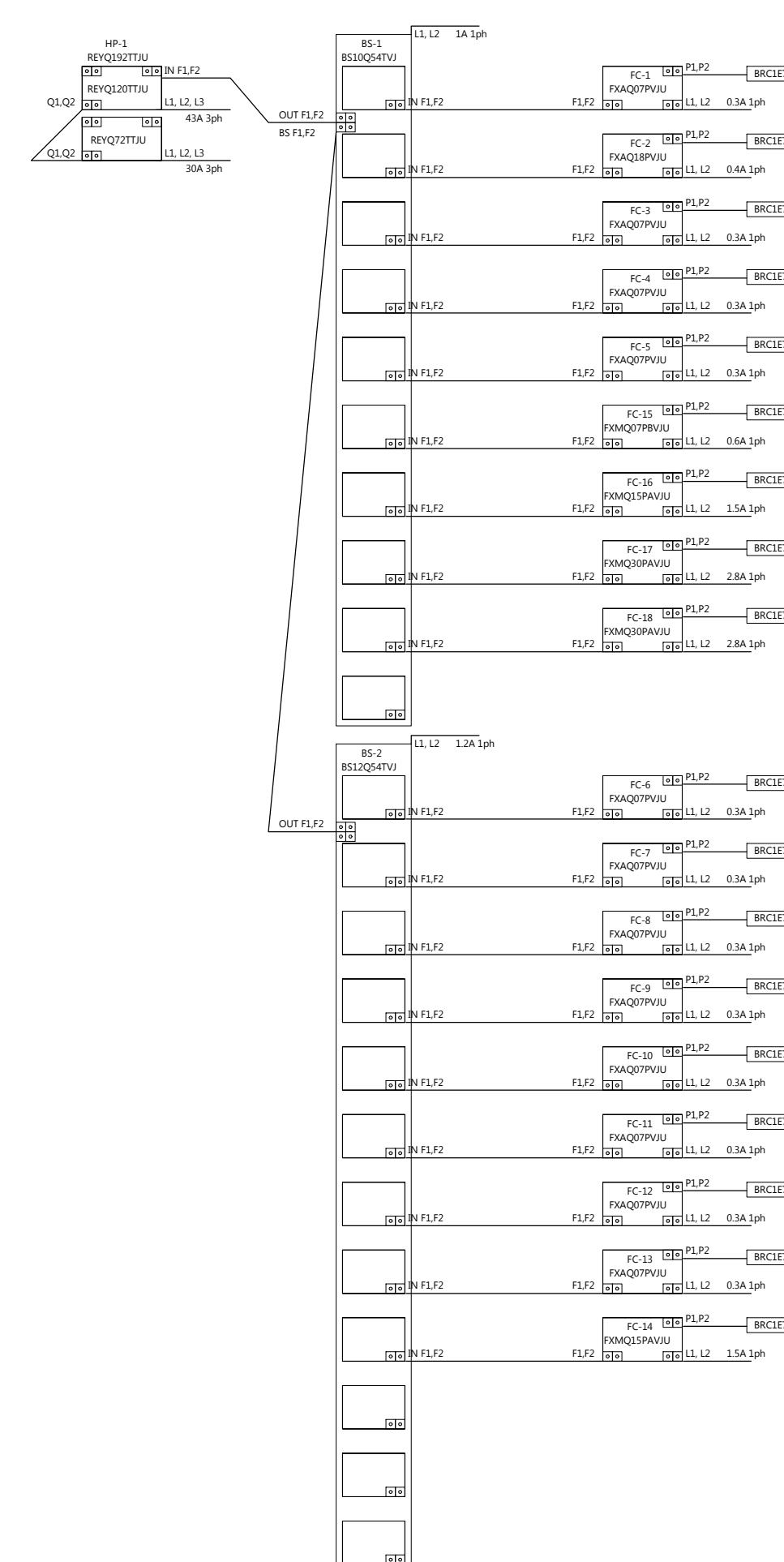
C

D

① HP-1 HEAT PUMP PIPING DIAGRAM
NTS



② HP-1 HEAT PUMP WIRING DIAGRAM
NTS



COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY

NOT FOR CONSTRUCTION
01-28-16

CONSULTANT:



MUSGROVE

ENGINEERING, P.A.

234 S. Whisperwood Way

Boise, Idaho 83709

208 334 0585

www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE

project number: 15-125



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

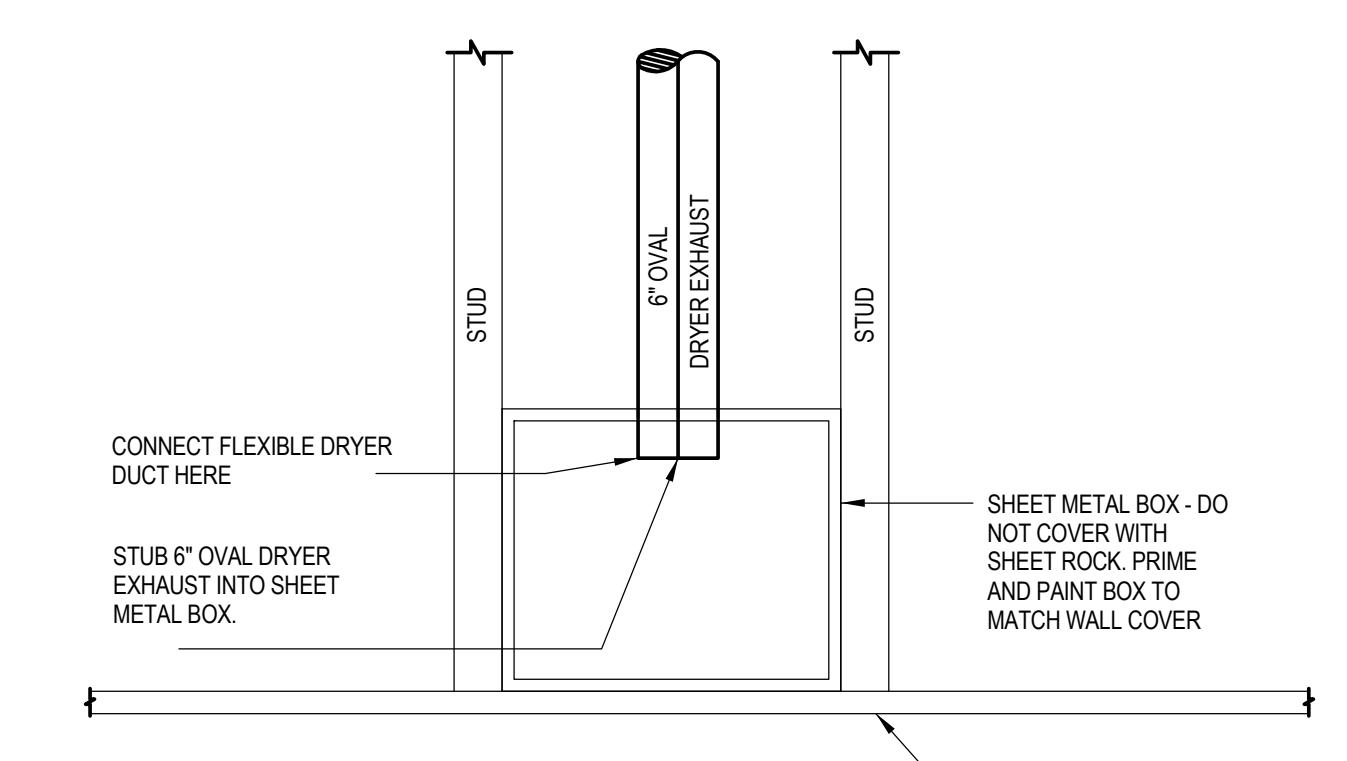
PROJECT ARCHITECT J. Chatfield

DESIGN J. Chatfield

DRAWN BY LR

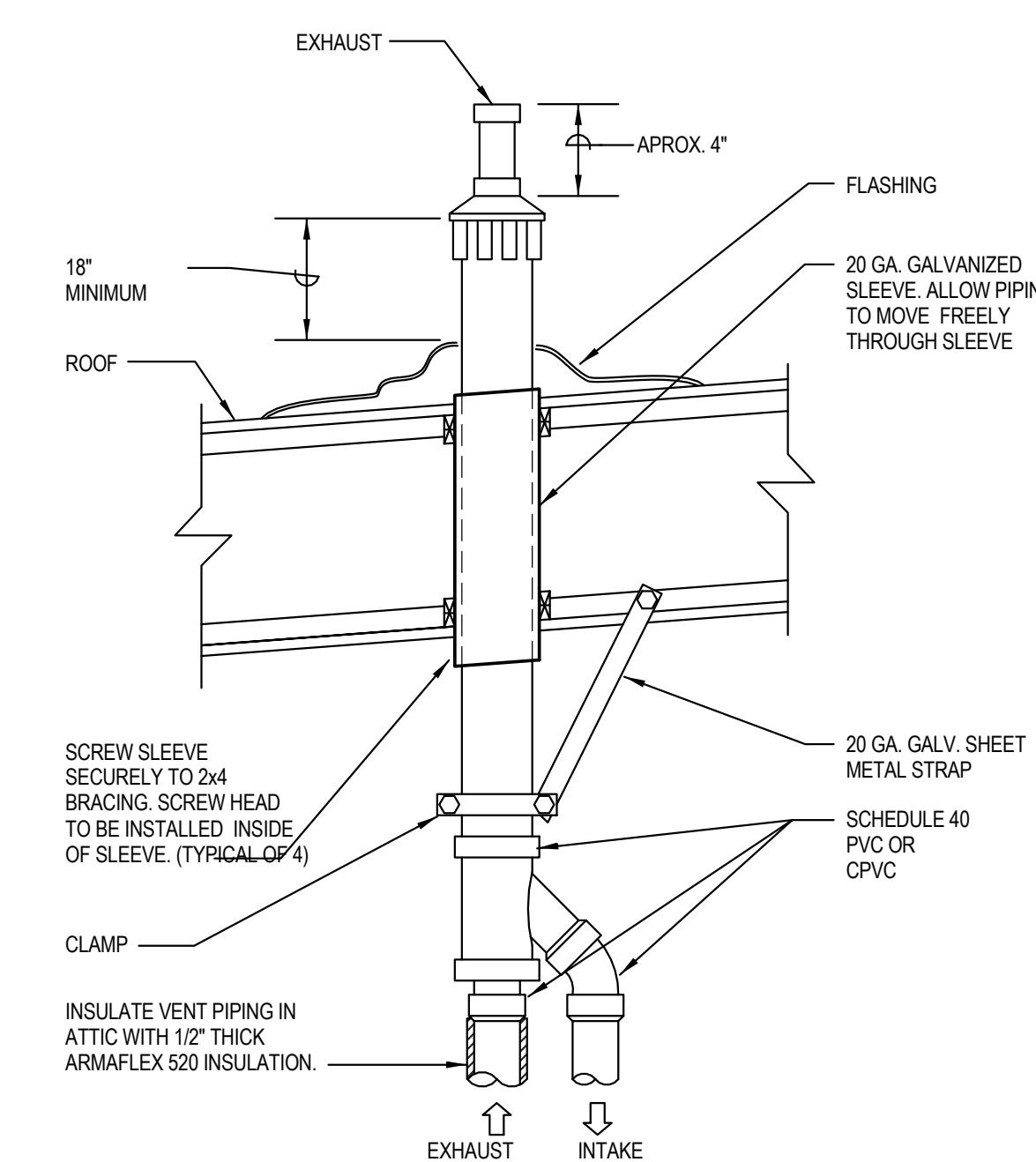
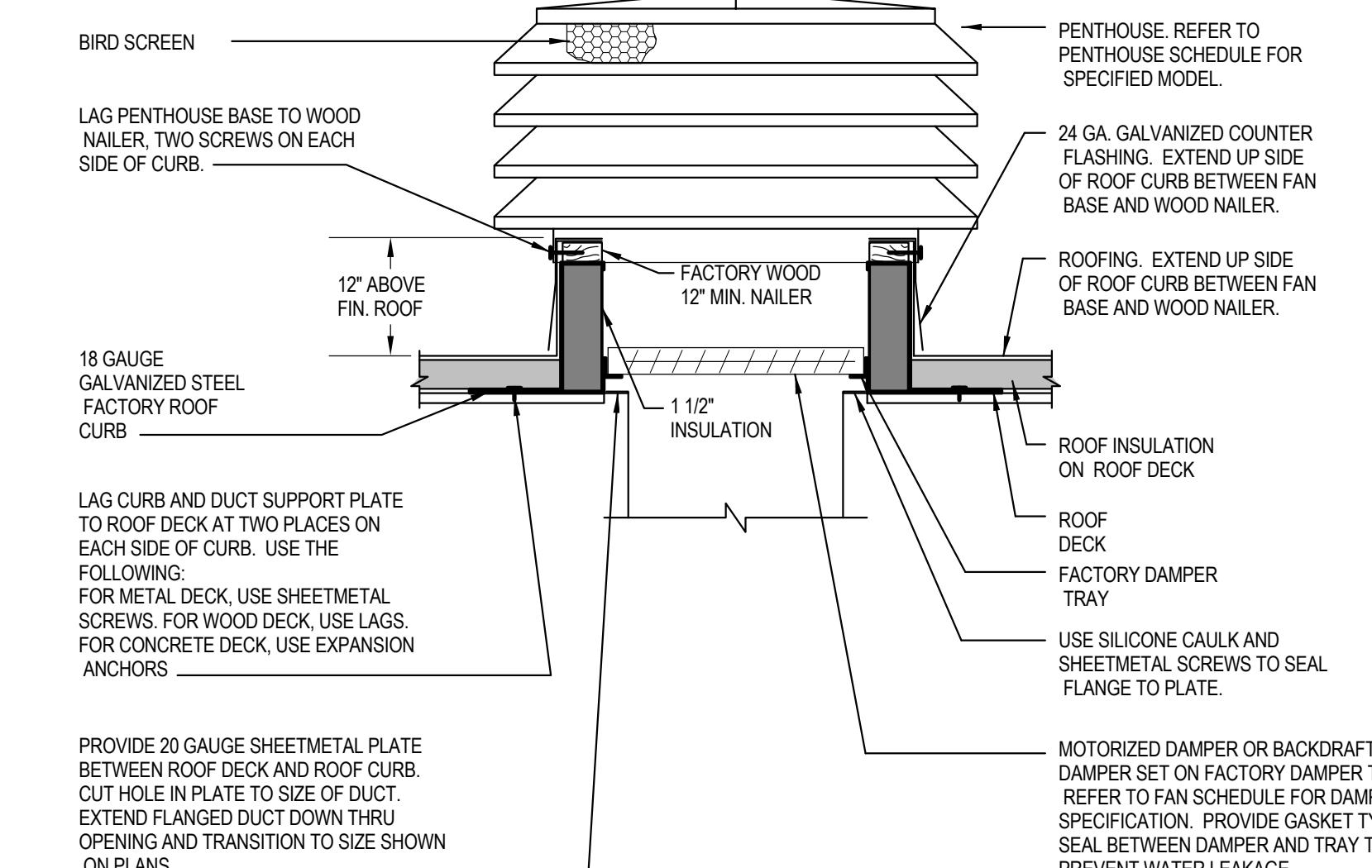
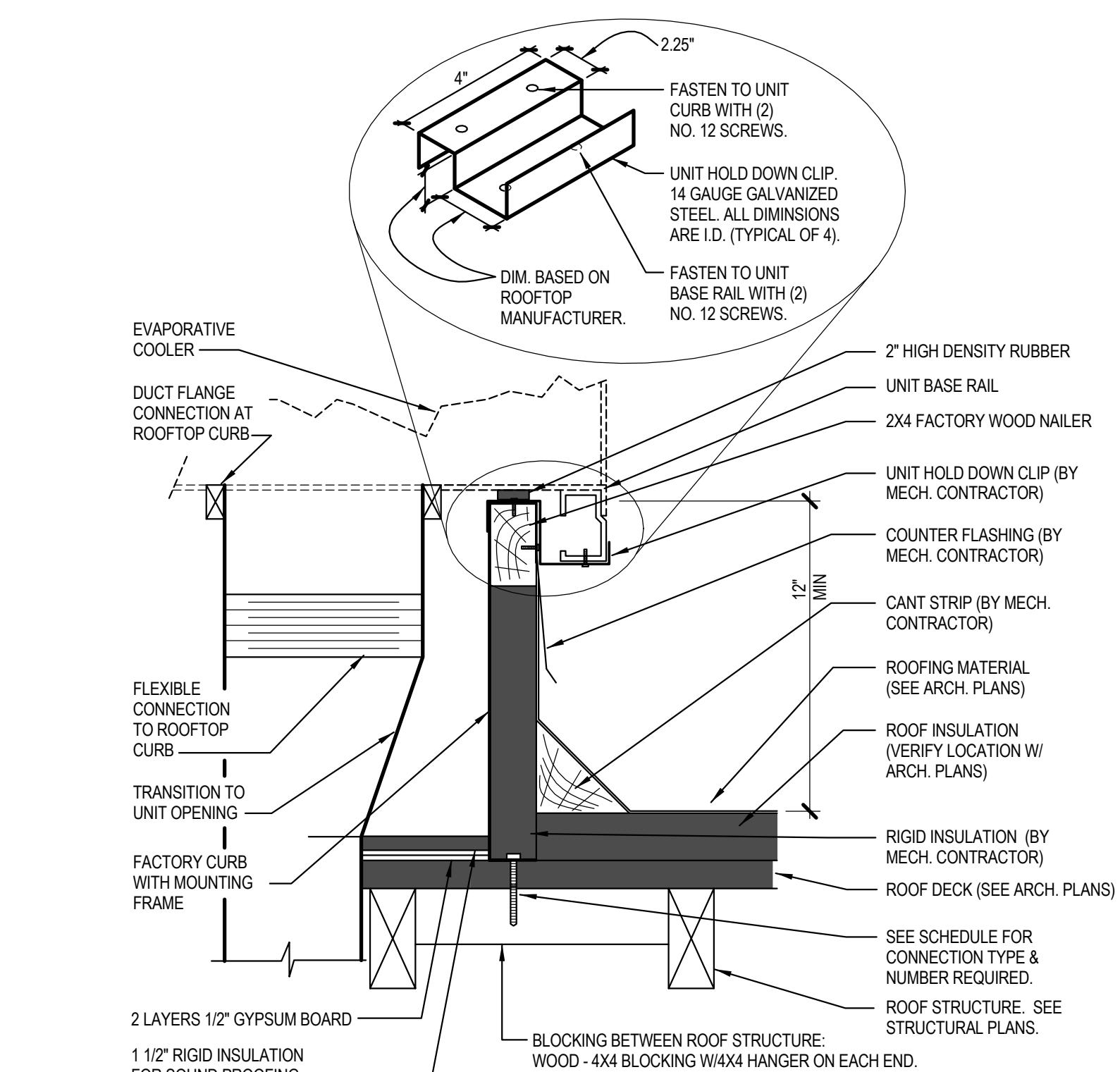
SHEET NAME:

HVAC DETAILS

(5) DRYER EXHAUST DETAIL
NTS

M302

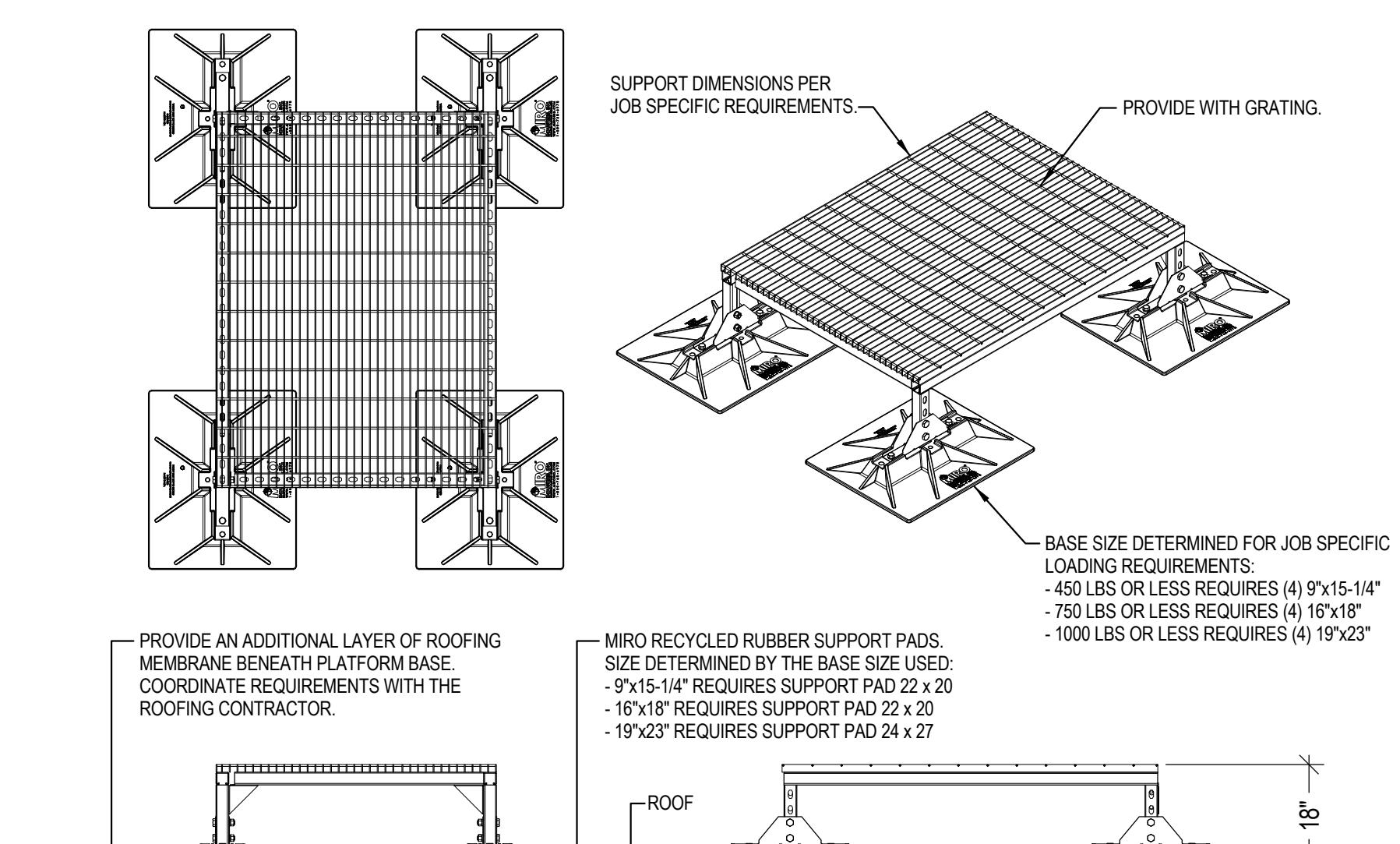
01.04.16

(1) CONCENTRIC GAS VENT DETAIL (90%)
NTS(2) PENTHOUSE MOUNTING DETAIL
NTS

CURB TO ROOF CONNECTION SCHEDULE

NOMINAL SIZE	MAX. WEIGHTS	TOTAL LATERAL FORCE (Fp)	NO. & TYPE OF CONNECTION (EQUALLY SPACED)		
			METAL	WOOD	CONCRETE
≥ 6000 CFM	1800 LBS	810 LBS	(4) 1/2" LAG BOLT	(4) 1/2" LAG BOLT	(4) 3/8" EXPANSION BOLT

COMPLIES WITH THE INTERNATIONAL BUILDING CODE

(4) ROOFTOP CONDENSING UNIT PLATFORM DETAIL
NTS

A

B

C

D

3

2

1

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY

NOT FOR CONSTRUCTION
01-28-16

CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:

City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR
SHEET NAME:	

HVAC SCHEDULES

SHEET NUMBER:
M401

DIFFUSER SCHEDULE				
SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
D-1 COM 6"Ø	6X6	6"Ø	0-90	1,2,3,4,5,6,7
D-2 COM 8"Ø	9X9	8"Ø	90-200	1,2,3,4,5,6,7
D-3 COM 10"Ø	12X12	10"Ø	200-350	1,2,3,4,5,6,7
D-4 COM 12"Ø	15X15	12"Ø	300-500	1,2,3,4,5,6,7
D-5 COM 14"Ø	15X15	14"Ø	400-650	1,2,3,4,5,6,7
D-6 COM 16"Ø	18X18	16"Ø	600-900	1,2,3,4,5,6,7
D-7 COM 21X21	21X21	21X21	900-1400	1,2,3,4,5,6,7

REMARKS:

1. SIZES BASED ON TITUS MODEL TDC SERIES. APPROVED ALTERNATE MANUFACTURERS INCLUDE ANEMOSTAT, J&J REGISTER, NAILOR, METAL-AIRE, TUTTLE & BAILEY, KRUEGER, PRICE, AND UNITED ENERTECH.
2. SIZES BASED ON A MAXIMUM NC LEVEL OF 25.
3. ALL DIFFUSERS LOCATED IN LAY-IN CEILING AREAS SHALL BE BORDER TYPE 3 AND BE MOUNTED IN MANUFACTURER PROVIDED 24"X24" PANELS. ALL DIFFUSERS LOCATED IN HARD CEILING AREAS SHALL BE BORDER TYPE 6 (BEVELED) SURFACE MOUNTED. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF VARIOUS CEILING TYPES.
4. SEE HVAC FLOOR PLANS FOR DIRECTIONAL THROW REQUIREMENTS FOR EACH DIFFUSER.
5. ALL OF THE DIFFUSERS SHOWN IN THIS SCHEDULE MAY NOT BE USED. REFERENCE THE HVAC PLAN FOR DIFFUSER CALL-OUTS AND THE QUANTITY OF EACH SIZE REQUIRED.
6. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
7. WHITE FINISH.

RETURN & EXHAUST GRILLE SCHEDULE				
SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
R-1 6"Ø	8X8	6"Ø	0-80	1,2,3,4,5,6
R-2 8"Ø	10X10	8"Ø	80-180	1,2,3,4,5,6
R-3 10"Ø	12X12	10"Ø	180-300	1,2,3,4,5,6
R-4 6"Ø	22X10	6"Ø	0-80	1,2,3,4,5,6
R-5 8"Ø	22X10	8"Ø	80-180	1,2,3,4,5,6
R-6 10"Ø	22X10	10"Ø	180-300	1,2,3,4,5,6
R-7 12"Ø	22X22	12"Ø	300-500	1,2,3,4,5,6
R-8 14"Ø	22X22	14"Ø	500-750	1,2,3,4,5,6
R-9 22X10	22X10	22X10	500-1100	1,2,3,4,5,6
R-10 22X22	22X22	22X22	1100-2000	1,2,3,4,5,6
R-11 10X6	10X6	10X6	0-180	2,7,8
R-12 14X6	14X6	14X6	180-250	2,7,8

REMARKS:

1. SIZES BASED ON TITUS MODEL 50F, ALUMINUM EGGRATE RETURN GRILLE, 1/2" X 1/2" X 1" SPACING (SINGLE CORE). PROVIDE SQUARE TO ROUND TRANSITION (WHERE ROUND RUN-OUT INDICATED). APPROVED ALTERNATE MANUFACTURERS INCLUDE ANEMOSTAT, CARNES, PRICE, NAILOR, METAL-AIRE, TUTTLE & BAILEY, KRUEGER, J&J REGISTER, AND UNITED ENERTECH.
2. SIZES BASED ON A MAXIMUM NC LEVEL OF 25.
3. ALL GRILLES LOCATED IN LAY-IN CEILING AREAS SHALL HAVE BORDER #3, UNLESS OTHERWISE INDICATED. ALL GRILLES LOCATED IN HARD CEILING AREAS SHALL HAVE BORDER #1, UNLESS OTHERWISE INDICATED. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF VARIOUS CEILING TYPES. SHEET METAL DUCTWORK VISIBLE BEHIND GRILLE SHALL BE PAINTED FLAT BLACK.
4. ALL OF THE GRILLES SHOWN IN THIS SCHEDULE MAY NOT BE USED. REFERENCE THE HVAC PLAN FOR GRILLE CALL-OUTS AND THE QUANTITY OF EACH SIZE REQUIRED.
5. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
6. WHITE FINISH.
7. SOFFIT GRILLE SIZES BASED ON TITUS MODEL 355FL, ALUMINUM CONSTRUCTION, 35° DEFLECTION, 1/2" SPACING, WITH ALUMINUM MESH INSECT SCREEN. APPROVED ALTERNATE MANUFACTURERS INCLUDE ANEMOSTAT, CARNES, PRICE, NAILOR, TUTTLE & BAILEY, KRUEGER, J&J REGISTER, AND UNITED ENERTECH.
8. PAINT GRILLE TO MATCH COLOR OF SOFFIT.
9. LOW WALL GRILLE SIZES BASED ON TITUS MODEL 33R, HEAVY DUTY STEEL, 14 GAUGE BLADES, 1/2" SPACING, 38° DEFLECTION, ALL-WELDED CONSTRUCTION. APPROVED ALTERNATE MANUFACTURERS INCLUDE ANEMOSTAT, CARNES, J&J REGISTER, NAILOR, TUTTLE & BAILEY, KRUEGER, PRICE, AND UNITED ENERTECH.
10. HIGH WALL GRILLE SIZES BASED ON TITUS MODEL 355RL, STEEL BAR GRILLE, FIXED BLADES, 1/2" SPACING, 35° DEFLECTION, ADJUSTABLE OPPOSED BLADE DAMPER. APPROVED ALTERNATE MANUFACTURERS INCLUDE ANEMOSTAT, CARNES, J&J REGISTER, NAILOR, TUTTLE & BAILEY, KRUEGER, PRICE, AND UNITED ENERTECH.

VRF HVAC SYSTEM SCHEDULE														
OUTDOOR UNITS														
SYMBOL	AREA SERVED	NOMINAL TONS	UNIT TYPE	COOLING REQUIRED AT 80°F EDB, 67°F EBW		HEATING REQUIRED AT 70°F EAT		ELECTRICAL			MINIMUM EER	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
				TOTAL MBH	SENSIBLE MBH	TOTAL MBH	MCA	MOCP	V/I					
HP-1	BUILDING CORE	14	HEAT RECOVERY	139.9	N/A	135.1	61.9	70	208/3	11.3	780	DAIKIN MODEL REYQ168TTJU	1,2,4,6	

HEAT PUMP SYMBOL	BRANCH SELECT. SYMBOL	FAN COIL SYMBOL	AREA SERVED	NOMINAL TONS	UNIT TYPE	SUPPLY FAN	COOLING	HEATING	ELECTRICAL			OSA	SOUND (dBA)	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
									CFM	MBH	MBH	MCA	MOCP	V/I		

BSB-1	FC-1	PARAMEDIC OFFICE 124	0.6	HIGH WALL	260	6.3	8.7	0.3	15.0	208/1	50	35	26	DAIKIN MODEL FXAQ07PVJU
-------	------	----------------------	-----	-----------	-----	-----	-----	-----	------	-------	----	----	----	-------------------------

SUPPLY GRILLE SCHEDULE				
SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
G1 CUT SIZE	16X6	16X6	200 - 350	1, 2, 3, 4
G2 CUT SIZE	10X6	10X6	0 - 250	2, 3, 4, 5
G3 CUT SIZE	16X6	16X6	200 - 400	2, 3, 4, 5

REMARKS:

- CURVE SPIRAL DUCT MOUNTED GRILLE, SIZES BASED ON TITUS MODEL S300FL. DOUBLE DEFLECTION, 3/4" BLADE SPACING, INDIVIDUALLY ADJUSTABLE BLADES, AIR EXTRACTOR, WHITE FINISH AND GRILLE SHALL MATCH CURVE OF DUCTWORK. APPROVED ALTERNATE MANUFACTURERS INCLUDE ANEMOSTAT, CARNES, J&J REGISTER, TUTTLE & BAILEY, NAILOR, METAL-AIRE, KRUEGER, PRICE, AND UNITED ENERTECH.
- SIZES BASED ON A MAXIMUM NC LEVEL OF 25.
- ALL OF THE GRILLES SHOWN IN THIS SCHEDULE MAY NOT BE USED. REFERENCE THE HVAC PLAN FOR GRILLE CALL-OUTS AND THE QUANTITY OF EACH SIZE REQUIRED.
- WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
- WALL GRILLE SIZES BASED ON TITUS MODEL 272F. DOUBLE DEFLECTION ADJUSTABLE BLADES, 3/4" SPACING, WHITE FINISH. APPROVED ALTERNATE MANUFACTURERS INCLUDE ANEMOSTAT, CARNES, J&J REGISTER, TUTTLE & BAILEY, NAILOR, METAL-AIRE, KRUEGER, PRICE, AND UNITED ENERTECH.

EVAPORATIVE COOLER SCHEDULE																		
SYMBOL	AREA SERVED	TYPE	SENSIBLE COOLING CAPACITY (MBH)	SUPPLY FAN				OPERATING CONDITIONS (°F)				PUMP			OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS	
				CFM	ESP	HP/W	RPM (MAX)	V/I	INDOOR DB (°F)	OUTDOOR DB (°F)	OUTDOOR WB (°F)	SUPPLY DB (°F)	GPM @ 3.9' HD	W	V/I			
EC-1	APPARATUS BAY	DOWNFLOW	40.7	3200	30"	550 W	1510	120/1	80	95	62	66.3	4.6	30	120/1	175	BREEZAIR MODEL EXV 155	1, 2, 3, 4

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: APPROVED EQUALS MUST RECEIVE PRIOR APPROVAL.
- PROVIDE WITH FACTORY INSTALLED MOTOR AND PUMP, CORROSION-PROOF CABINET, AUTOMATIC DRAIN SYSTEM, BREEZAIR THERMOSTATIC WALL CONTROLLER, WITH SINGLE POINT POWER CONNECTION.
- PROVIDE WITH HARMONY KIT - WIRED WALL CONTROLLER, 65' LOW VOLTAGE WIRING LOOM, AUTO DRAIN AND PLUMBING FITTINGS.
- PROVIDE WITH INDUSTRIAL WALL CONTROLLER IWC10 FOR EXTERNAL EVAPORATIVE AIR CONTROL.

ELECTRIC HEATER SCHEDULE														
SYMBOL	AREA SERVED	UNIT TYPE	FAN			ELECTRICAL				MANUFACTURER AND MODEL				REMARKS
			CFM	RPM	HP	KW	STEPS	V/I	AMPS					
EH-1	MAINTENANCE 133	SURFACE CEILING MOUNTED	300	N/A	1/8	2.0	1	208/1	9.6	QMARK CDF				1, 4
EH-2	GENERAL SUPPLY STORAGE 131	SURFACE CEILING MOUNTED	300	N/A	1/8	2.0	1	208/1	9.6	QMARK CDF				1, 4
EH-3	DECON 129	SURFACE CEILING MOUNTED	300	N/A	1/8	2.0	1	208/1	9.6	QMARK CDF				1, 4
EH-4	FIRE RISER 112	RECESSED WALL MOUNTED	100	N/A	N/A	1.5	1	208/1	7.2	QMARK AWH				1, 2, 3
EH-5	RESTROOM 202	RECESSED CEILING MOUNTED	300	N/A	1/8	2.0	1	208/1	9.6	QMARK CDF				1, 4

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: BRASCH, QMARK, INDECO, AND CHROMALOX.
- MOUNT BOTTOM OF HEATER 12" ABOVE FINISH FLOOR.
- PROVIDE UNIT WITH AN INTEGRAL THERMOSTAT. THERMOSTAT SHALL BE COVERED WITH A TAMPER-PROOF ACCESS COVER.
- PROVIDE UNIT WITH A REMOTE WALL MOUNTED LINE-VOLTAGE THERMOSTAT.

GAS-FIRED RADIANT TUBE HEATER SCHEDULE													
SYMBOL	AREA SERVED	TYPE	TUBE LENGTH (FT)	MOUNTING HEIGHT (FT)	CLEARANCE TO COMBUSTIBLES			ELECTRICAL		NATURAL GAS INPUT MBH	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
					TOP (in)	BELOW (in)	SIDE (in)	AMPS	V/I				
RH-1	APPARATUS BAY	TUBE	40	--	9	54	20	5.5	120/1	50.0	112	MODINE TLP50H34	1, 2, 3
RH-2	APPARATUS BAY	TUBE	40	--	9	54	20	5.5	120/1	50.0	112	MODINE TLP50H34	1, 2, 3
RH-3	APPARATUS BAY	TUBE	40	--	9	54	20	5.5	120/1	50.0	112	MODINE TLP50H34	1, 2, 3

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: CO-RAY-VAC, SPACE-RAY, CALCANA, RE-VERBER-RAY, AND MODINE.
- PROVIDE WALL MOUNTED HEATING THERMOSTAT.
- PROVIDE OPTIONAL ELECTRONIC CONTROL PANEL.

PENTHOUSE SCHEDULE										
SYMBOL	AREA SERVED	TYPE	NUMBER OF TIERS	THROAT SIZE	MINIMUM FREE AREA (ft²)	FINISH	MANUFACTURER AND MODEL			REMARKS
PH-1	APPARATUS 126	GRAVITY RELIEF VENTILATOR	5	36X54	13.5	MILL	COOK MODEL TRE			1, 2, 3

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: GREENHECK, CARNES, AIROLITE, LOUVERS & DAMPERS, AIR-RITE MANUFACTURING, RUSKIN, NCA, AND CESCO.
- COLOR TO BE SELECTED BY ARCHITECT.
- PROVIDE WITH BIRD SCREEN, BACKDRAFT DAMPER, 120V/1 PHASE, 3.5 AMPS. LOW LEAKAGE MOTORIZED DAMPER, AND ROOF CURB.

KITCHEN EXHAUST HOOD SCHEDULE												
SYMBOL	AREA SERVED	UNIT TYPE	HOOD DIMENSIONS		EXHAUST AIR			MAKE-UP AIR		HOOD HANGING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
			LENGTH	WIDTH	AIRFLOW CFM	DUCT CONNECTION	MAX S.P. LOSS	AIRFLOW CFM	DUCT CONNECTION			
RH-1	KITCHEN / DINING 205	RESIDENTIAL RANGE HOOD	2' - 6"	20'-18"	150 / 630	3-1/4" X 14"	-0.10"	N/A	N/A	N/A	BROAN MODEL QP430SS	1, 2, 3

- APPROVED ALTERNATE MANUFACTURERS: GE, JENNAR, AND KENMORE.
- ELECTRICAL SPECIFICATIONS - 120V/1 PHASE, 3.5 AMPS. PROVIDE WITH DISHWASHER-SAFE ALUMINUM FILTERS, (4) 50W HALOGEN FLOOD LIGHTS, 3-1/4" X 14" HORIZONTAL DISCHARGE EXHAUST VENTING OPTION, AND DAMPER. UNIT SHALL BE BRUSHED STAINLESS STEEL.
- PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUIT 208
Boise, ID 83702 | (208) 345-1800

TCA</

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

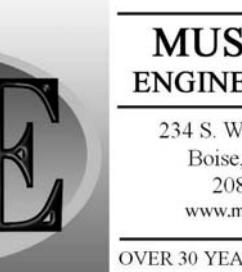
TCA
TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY

NOT FOR
CONSTRUCTION
01-28-16

CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisepwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE | 75% CD

PROJECT NUMBER | 15-28

PROJECT MANAGER | J. Chatfield

PROJECT ARCHITECT | J. Chatfield

DESIGN | J. Chatfield

DRAWN BY | LR

SHEET NAME:

HVAC SCHEDULES

D SHEET NUMBER:

M403

01.04.16

ELECTRIC DUCT HEATER SCHEDULE												
SYMBOL	AREA SERVED	UNIT TYPE	DUCT SIZE		CFM RANGE			MINIMUM AIRFLOW (CFM)	MAXIMUM AIRFLOW (CFM)	MANUFACTURER AND MODEL	REMARKS	
			WIDTH	HEIGHT	KW	V \varnothing	STEPS					
DH-1	TURN OUT RM 130	FLANGED OPEN COIL	10"	10"	8.0	208/3	SCR	350	350	QMARK MODEL FC SERIES	1,2,3	

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: MARKEL, REDDI, VALLEY INDUSTRIES, INDECO, AND BRASCH.
- PROVIDE WITH MAGNETIC DE-ENERGIZING CONTACTORS, AUTOMATIC LIMIT THERMOSTAT, CIRCUIT FUSING (IF ABOVE 40 AMPS), FUSED DISCONNECT, AIR PRESSURE SENSOR SWITCH, CONTROL TRANSFORMER, AND INSULATED CONTROL BOX.
- CONTROL WITH WALL-MOUNTED THERMOSTAT.

EXHAUST FAN SCHEDULE												
SYMBOL	AREA SERVED	UNIT TYPE	BLOWER			ELECTRICAL		MAXIMUM SONES	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS	
			CFM	ESP	MAXIMUM RPM	DRIVE	HP/W					
EF-1	DECON 129	CEILING CABINET	100	.25"	1075	DIRECT	33W	120/1	2.5	15	COOK MODEL GC-148	1,2,3
EF-2	ELEC RM 113	CEILING CABINET	100	.25"	1075	DIRECT	33W	120/1	2.5	15	COOK MODEL GC-148	1,2,4
EF-3	VEHICLE EXHAUST	RADIAL BLADE, HIGH PRESSURE	560	4.0"	3450	DIRECT	1HP	120/1	--	50	GRAINGER PACKAGE NO. 7C447 (DAYTON)	5
EF-4	VEHICLE EXHAUST	RADIAL BLADE, HIGH PRESSURE	560	4.0"	3450	DIRECT	1HP	120/1	--	50	GRAINGER PACKAGE NO. 7C447 (DAYTON)	5
EF-5	VEHICLE EXHAUST	RADIAL BLADE, HIGH PRESSURE	560	4.0"	3450	DIRECT	1HP	120/1	--	50	GRAINGER PACKAGE NO. 7C447 (DAYTON)	5

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: GREENHECK, TWIN CITY FAN COMPANY, AND SOLER & PALAU.
- PROVIDE UNIT WITH MANUFACTURER'S ALUMINUM ROOF CAP (FLAT ROOF) EQUAL TO COOK MODEL PR (W/ INTEGRAL BIRD SCREEN AND ROOF CURB), BACKDRAFT DAMPER, OUTLET FLEX DUCT CONNECTION, STANDARD PLUG DISCONNECT, PRE-WIRED FAN SPEED CONTROLLER, THERMAL OVERLOAD PROTECTION, HANGING VIBRATION ISOLATORS, AND WHITE ALUMINUM GRILLE.
- CONTROL FAN WITH SEPARATE WALL SWITCH.
- CONTROL FAN WITH HEAT RISE THERMOSTAT.
- CONTROL FAN WITH VEHICLE EXHAUST CONTROL PANEL.

LARGE DIAMETER CEILING FAN SCHEDULE												
SYMBOL	AREA SERVED	BLOWER			ELECTRICAL		OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS			
		FAN DIAMETER	CFM	MAX RPM	HP/W	V \varnothing						
CF-1	APPARATUS 135	12'	N/A	111	1HP	208/3	150	BIG ASS FAN COMPANY MODEL POWERFOIL 8	1,2			

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: MACRAIR.
- PROVIDE WITH ELECTRONIC WALL CONTROLLER, SAFETY CABLE, AND EXTENSION TUBE (AS REQUIRED TO MOUNT FAN 6' BELOW CEILING). MOUNT CONTROLLER 60" AFF. MECHANICAL TO PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING BETWEEN FAN AND CONTROLLER.

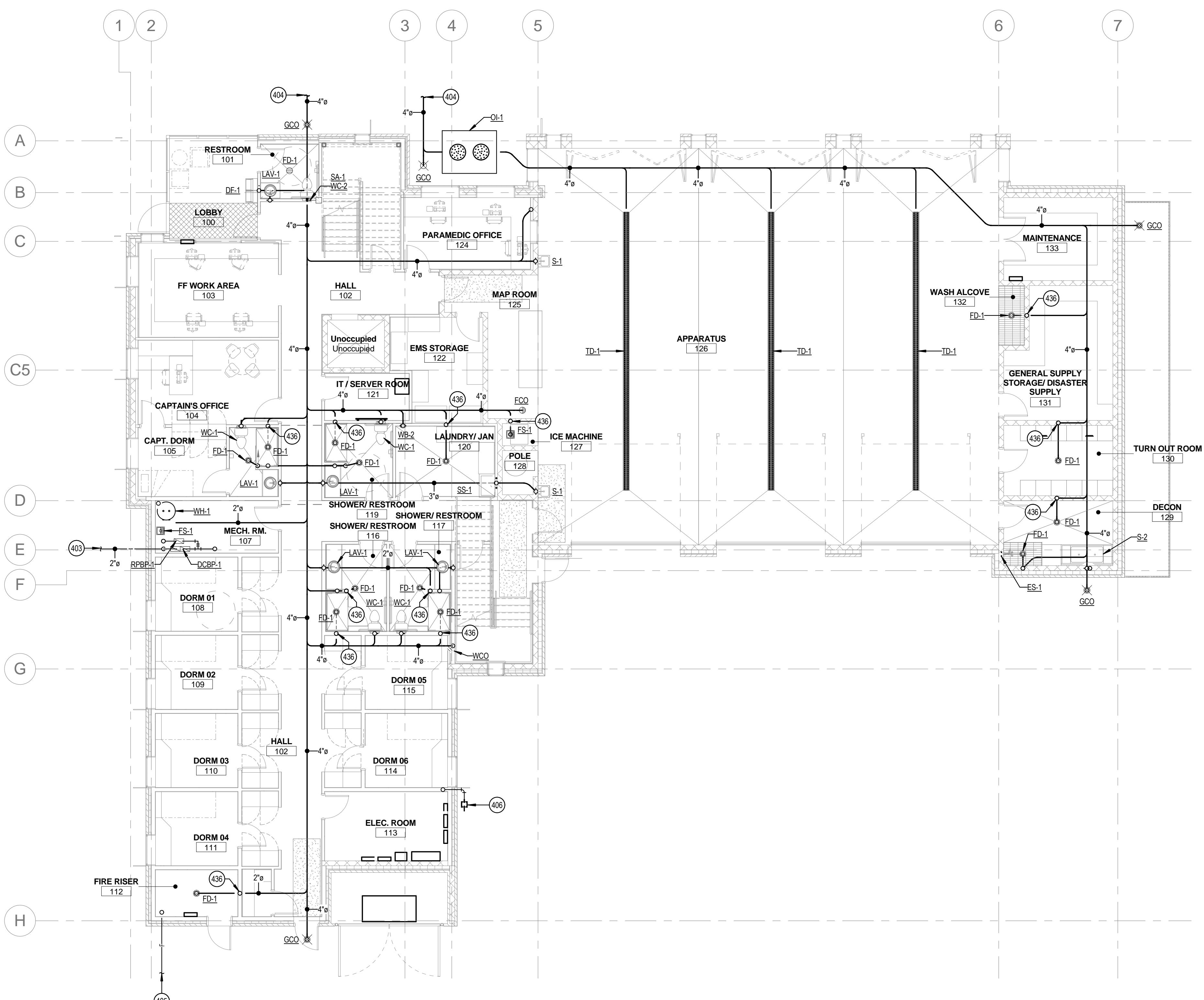
ENERGY RECOVERY UNIT SCHEDULE																									
SYMBOL	SUPPLY FAN			EXHAUST FAN			WINTER DESIGN		SUMMER DESIGN		ELECTRICAL		MANUFACTURER AND MODEL	REMARKS											
	CFM	ESP	HP	CFM	ESP	HP	SUPPLY	EXHAUST	SUPPLY	EXHAUST	MCA	MOCP	V \varnothing												
							EDB	EWB	LDB	EDB	EWB	LDB	EDB	EWB	LDB										
ERU-1	1075	1.0"	.5	900	1.0"	.75	9	6	--	68	--	--	94	63	--	80	--	--	9.7	15	208/3	--	800	COOK MODEL ERV 1500	1,2,3,4
ERU-2	350	1.0"	.25	350	1.0"	.25	9	6	--	68	--	--	94	63	--	80	--	--	4.7	15	208/3	--	800	COOK MODEL ERV 1500	1,2,3,4

REMARKS:

- APPROVED ALTERNATE MANUFACTURERS: AAON, GREENHECK (MODEL ERV), XETEX, PENNBARRY, CARNES, AND NUTECH LIFE BREATH.
- PROVIDE WITH EXHAUST ONLY FROST PREVENTION CONTROLS, SINGLE POINT POWER CONNECTION, NEMA 3R DISCONNECT SWITCH, MOTOR STARTERS, 2"-30% FILTERS IN EACH AIR STREAM, 7 YEAR WARRANTY ON HEAT EXCHANGER, VIBRATION ISOLATORS ON EACH FAN, INTAKE AND EXHAUST WEATHER HOODS, MANUFACTURER'S ROOF CURB, HINGED ACCESS PANELS, AND ECONOMIZER CYCLE. PROVIDE UNIT WITH UL APPROVAL LISTING.
- PROVIDE AND INSTALL 7-DAY PROGRAMMABLE TIMER SWITCH.
- CONNECT UNIT TO DDC CONTROL SYSTEM AND SEQUENCE AS OUTLINED ON CONTROL DRAWINGS.

D SHEET NUMBER:

01.04.16



KEYED NOTES

- 403 2" CW SERVICE TO BUILDING WITH NEW 1-1/2" WATER METER. REFER TO CIVIL PLANS FOR CONTINUATION.
 404 4" SANITARY SEWER. INVERT ELEVATION AT XX" BELOW FINISHED FLOOR @ 1/4" SLOPE. REFER TO CIVIL PLANS FOR CONTINUATION.
 405 FIRE SERVICE TO BUILDING. REFER TO CIVIL PLANS FOR CONTINUATION.
 406 GAS METER WITH 1", 2 PSI GAS LINE SERVING BUILDING. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH INTERMOUNTAIN GAS COMPANY. TOTAL GAS LOAD = 465.1 MBH @ 2 PSI. REFER TO GAS SIZING CHART ON SHEET P401 FOR BREAKDOWN OF EQUIPMENT.
 436 VENT UP. REFER TO 1ST FLOOR PLUMBING PLAN FOR CONTINUATION.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY



CONSULTANT:



MUSGROVE
ENGINEERING, P.A.

234 N. Whisepwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:



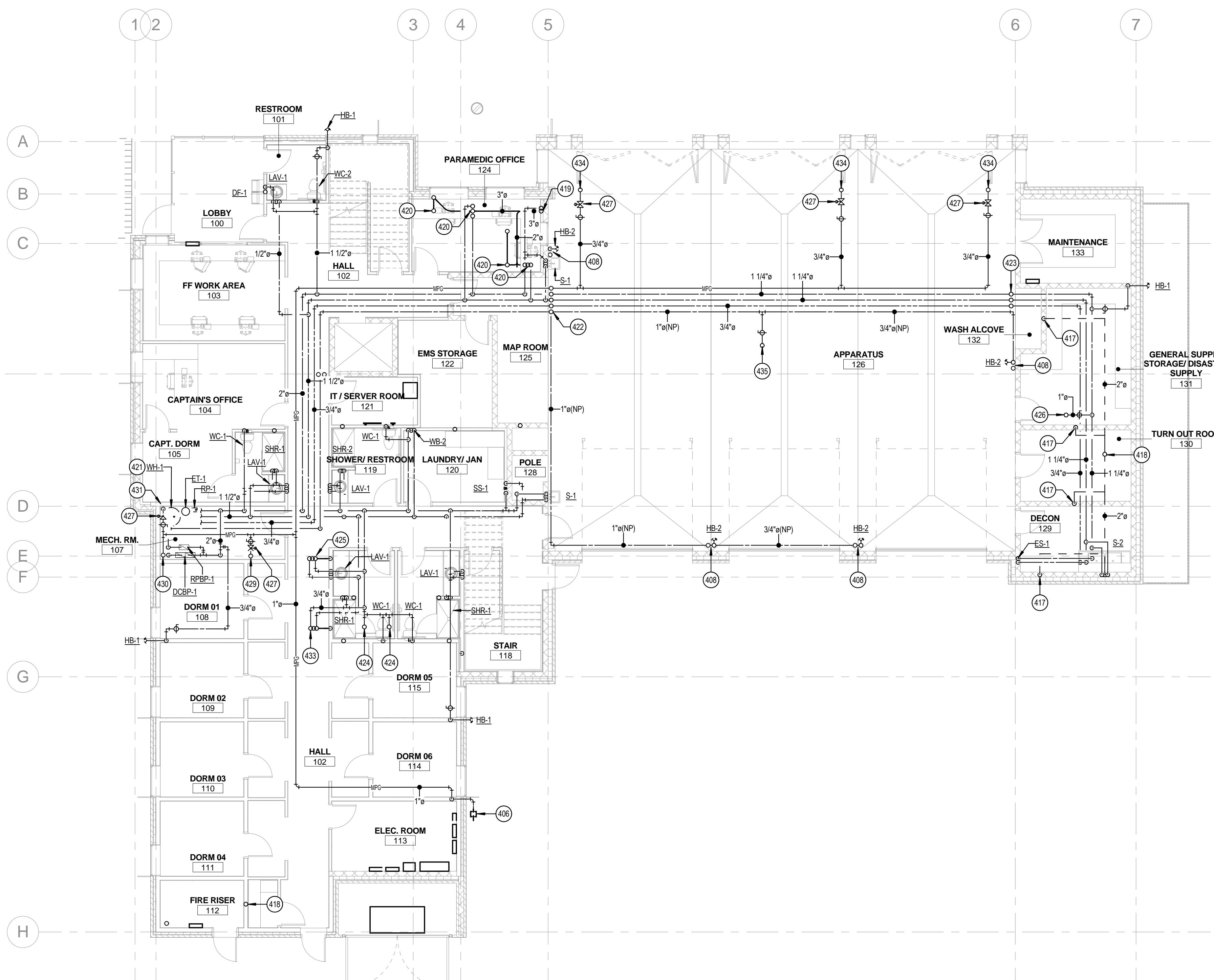
FOUNDATION PLUMBING PLAN

SHEET NUMBER:

P101

ARCHITECT

KEYED NOTES



1ST FLOOR PLUMBING PLAN

1/8" = 1'-0"

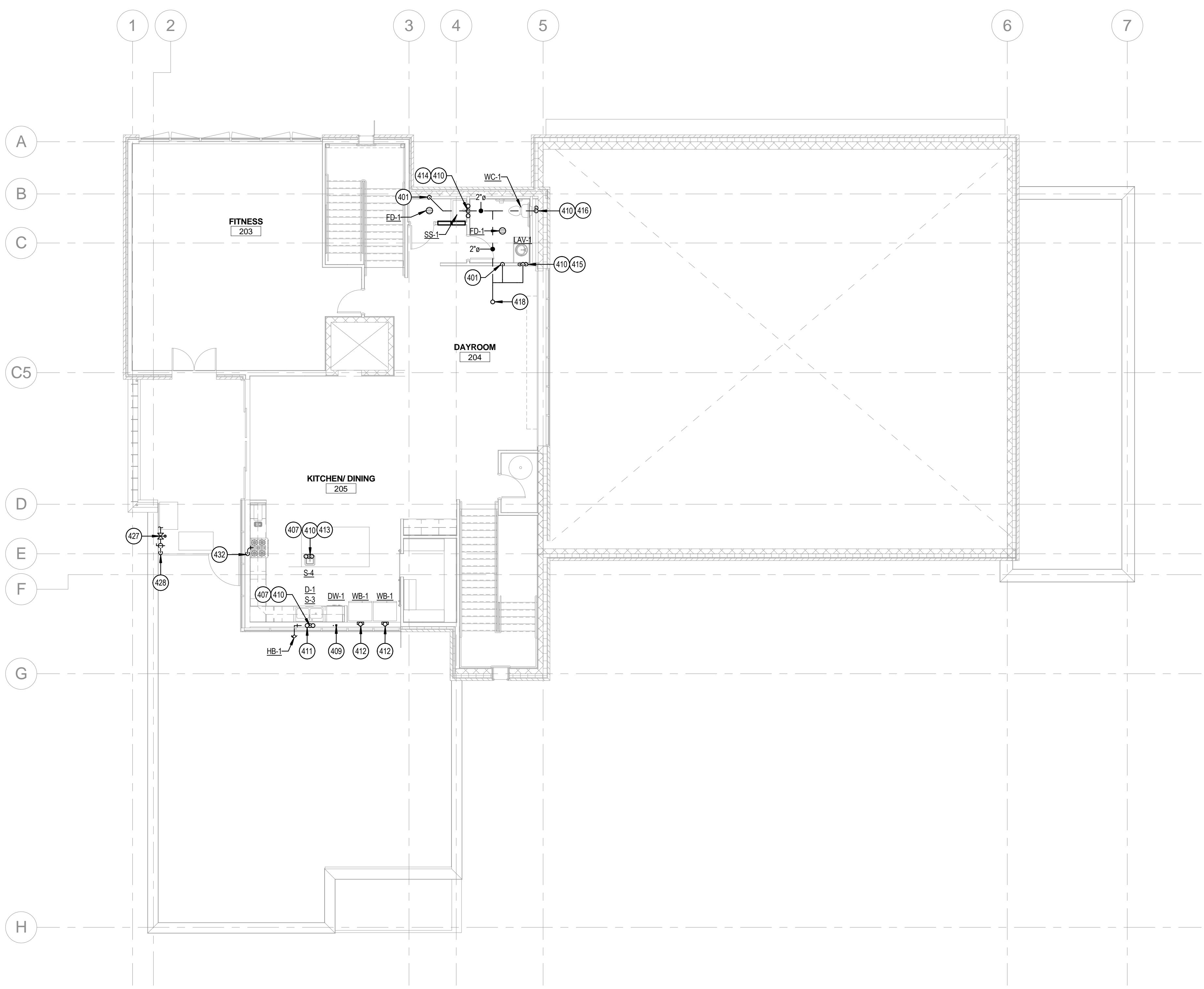


ST FLOOR MBING PLAN

P201

01.04.16

1



KEYED NOTES

- 401 VENT FROM BELOW. REFER TO 1ST FLOOR PLUMBING PLAN FOR CONTINUATION.
 407 REFER TO ISLAND SINK FOOT VENT DETAIL ON SHEET P302.
 409 REFER TO DISHWASHER CONNECTION DETAIL ON SHEET P302.
 410 ROUTE WASTE PIPING DOWN THROUGH FLOOR TO FIRST FLOOR CEILING SPACE. REFER TO 1ST FLOOR PLUMBING PLAN FOR CONTINUATION.
 411 3/4" CW AND 1/2" HW UP FROM BELOW TO SERVE KITCHEN SINK S-3. PROVIDE 1/2" TEE OFF HW LINE TO SERVE DISHWASHER DW-1. PROVIDE 3/4" TEE WITH SHUT-OFF VALVE OFF CW LINE TO SERVE HOSE BBB-HB-1.
 412 1/2" CW UP FROM BELOW TO SERVE WALL BOX WB-1.
 413 1/2" CW AND 1/2" HW UP FROM BELOW TO SERVE PREP SINK S-4.
 414 1/2" CW AND 1/2" HW UP FROM BELOW TO SERVE SERVICE SINK SS-1.
 415 1/2" CW AND 1/2" HW UP FROM BELOW TO SERVE WATER CLOSET WC-1.
 416 1/2" CW UP FROM BELOW TO SERVE WATER CLOSET WC-1.
 418 2" VENT UP THROUGH ROOF. REFER TO PLUMBING ROOF PLAN FOR CONTINUATION.
 427 GAS PRESSURE REGULATOR. SEE GAS SIZING CHART ON SHEET P401 FOR ADDITIONAL INFORMATION. REFER TO DETAIL ON SHEET P302.
 428 3/4" CW GAS LINE UP FROM BELOW. ROUTE PIPING AS REQUIRED TO SERVE BOTH GAS BARBECUE AND GAS SMOKER.
 432 3/4" LOW PRESSURE GAS LINE FROM BELOW.

COLE ARCHITECTS
 COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
 Boise, ID 83702 | (208) 345-1800


architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

**MUSGROVE**
ENGINEERING, P.A.234 N. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE!
project number: 15-125
City of Boise Fire Station 8
 3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:

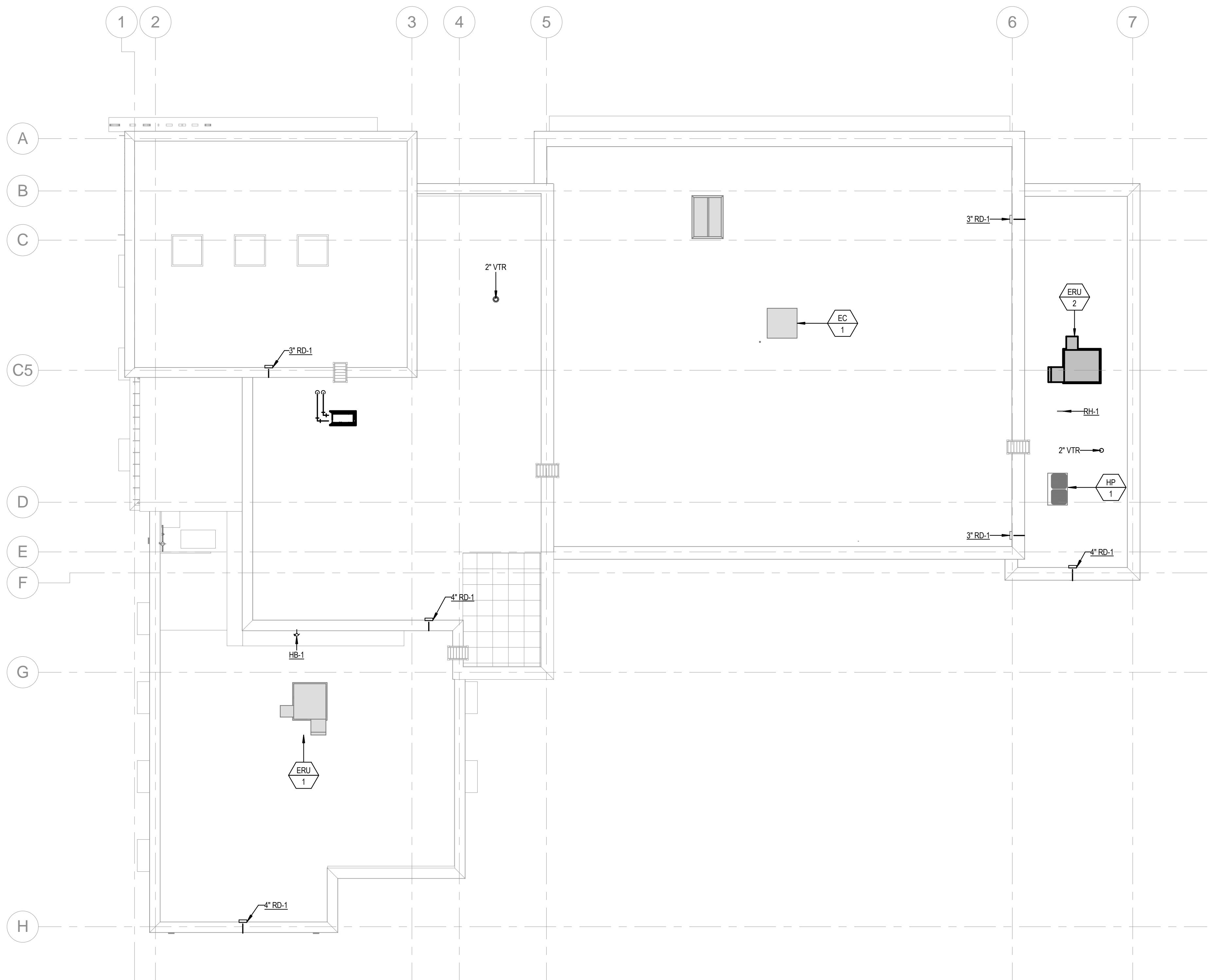
2ND FLOOR
PLUMBING PLAN

SHEET NUMBER:

P202

01.04.16

KEYED NOTES



NORTH

PLUMBING ROOF
PLAN

P203

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY



CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisewood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:

SHEET NUMBER:

01.04.16

01

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

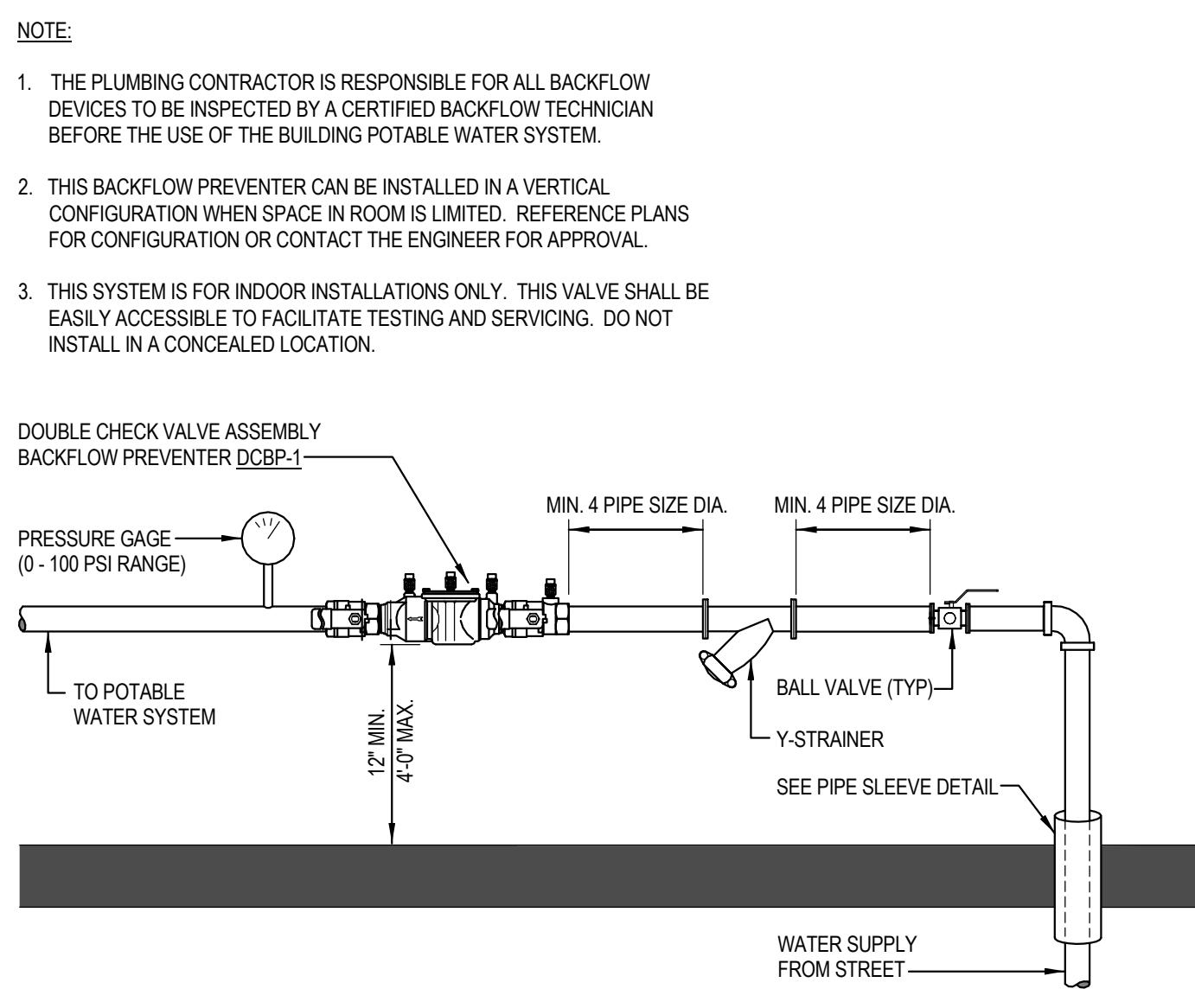
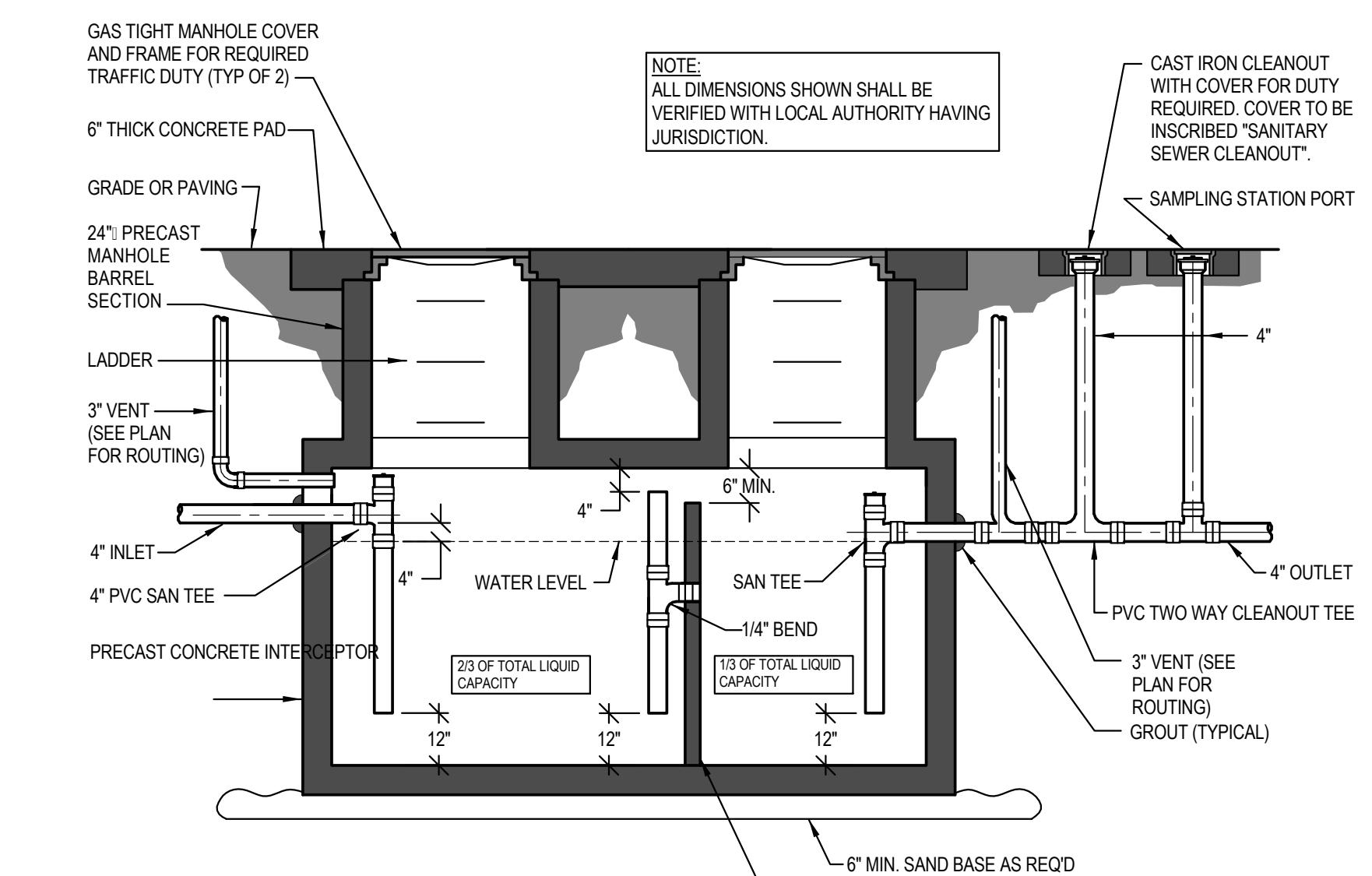
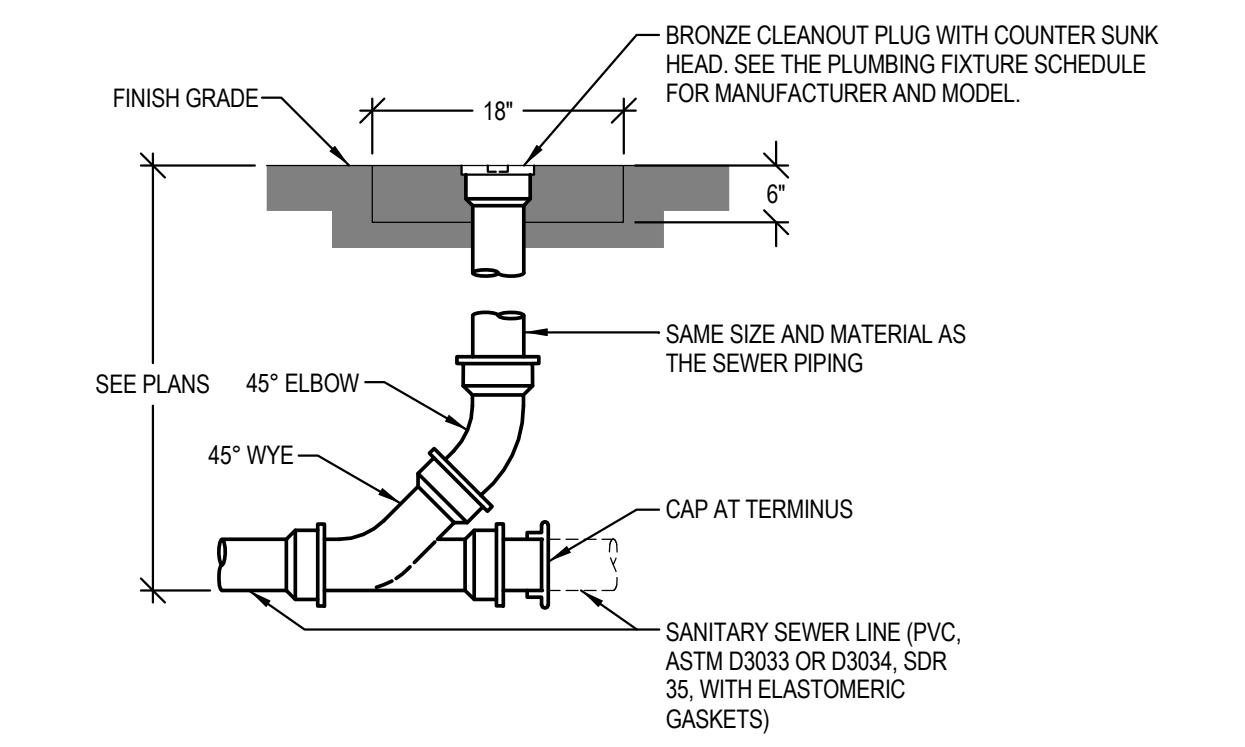
PRELIMINARY

NOT FOR CONSTRUCTION
01-28-16

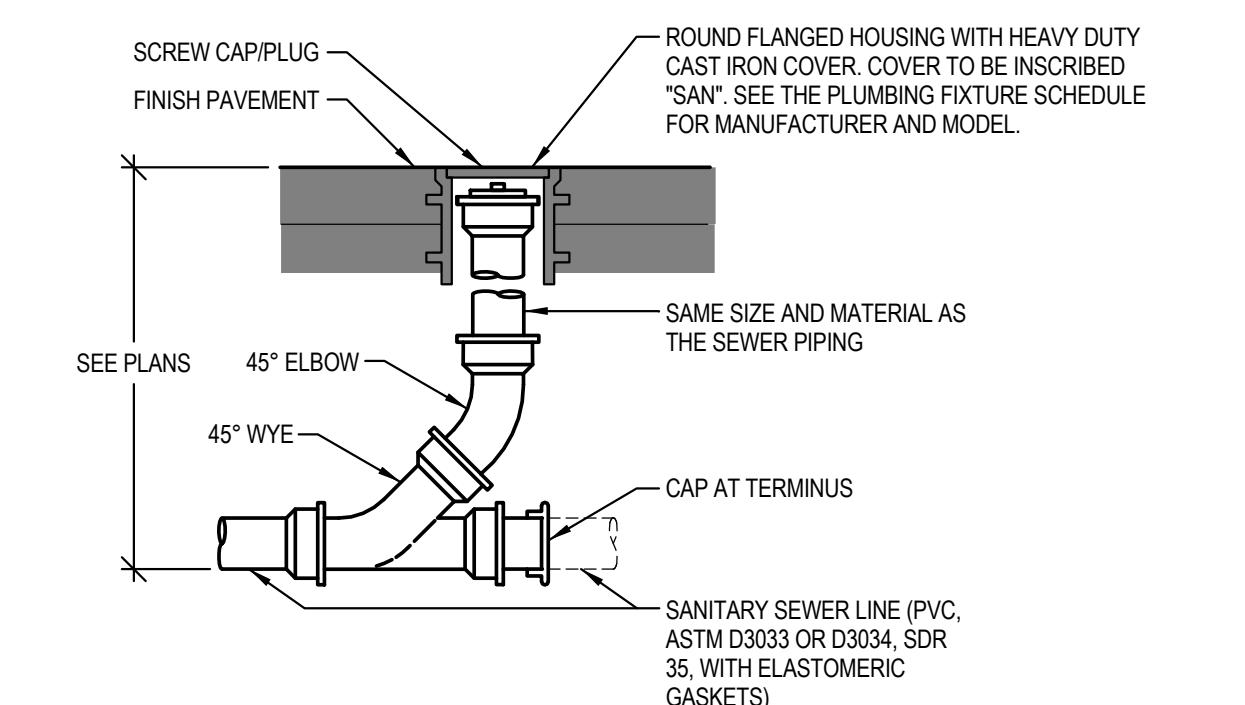
CONSULTANT:

MUSGROVE
ENGINEERING P.A.
234 S. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

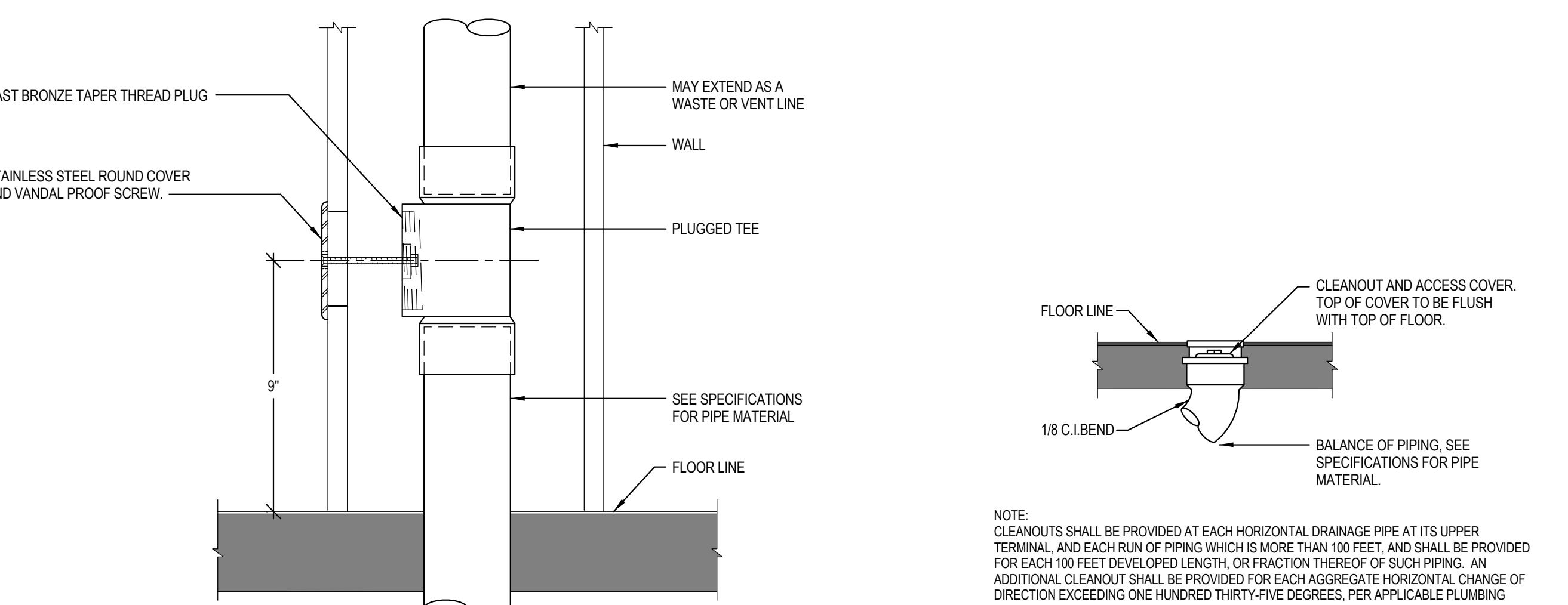
A

① DCBP WATER SERVICE DETAIL
NTS② OIL AND SAND INTERCEPTOR DETAIL
NTS

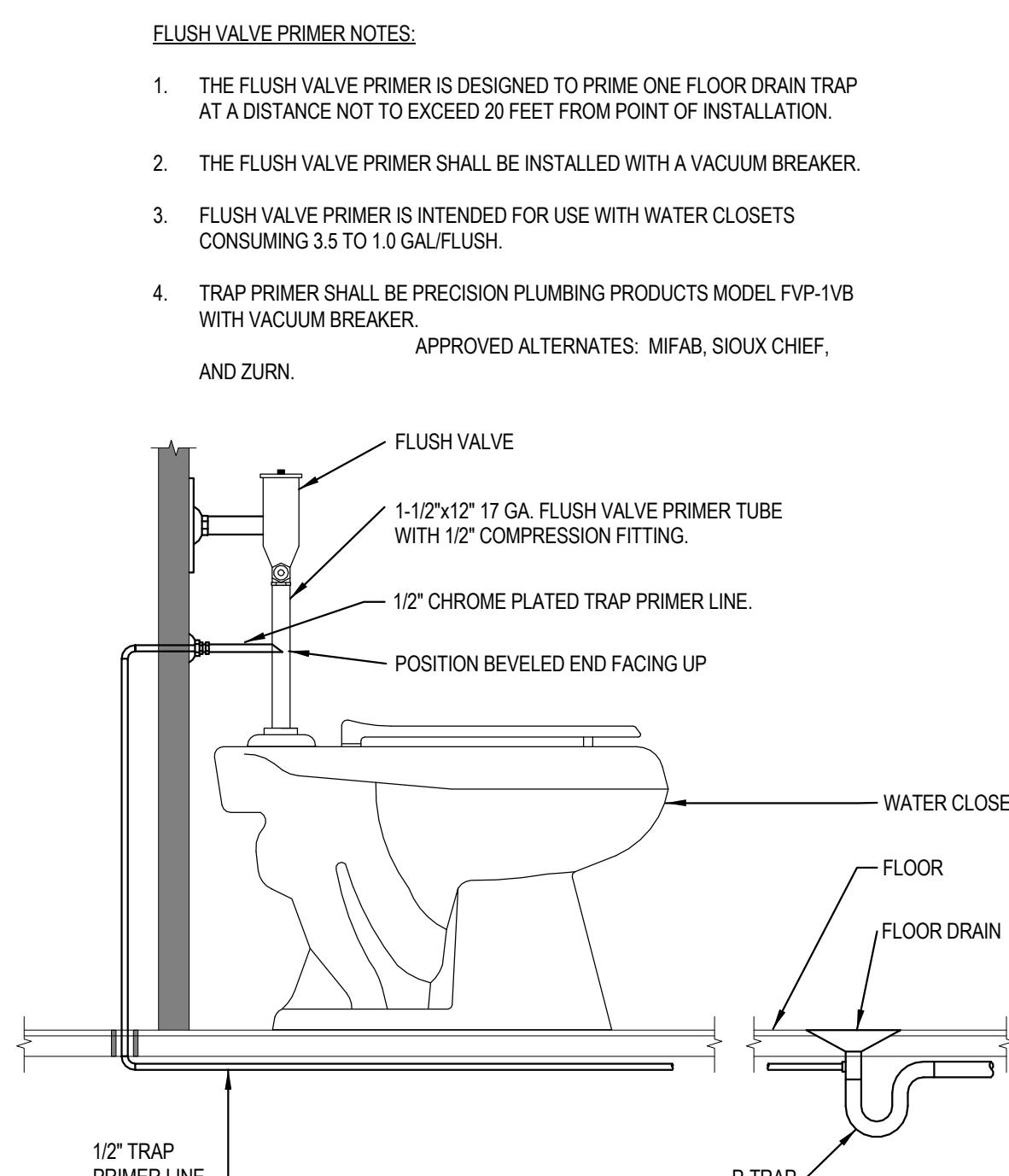
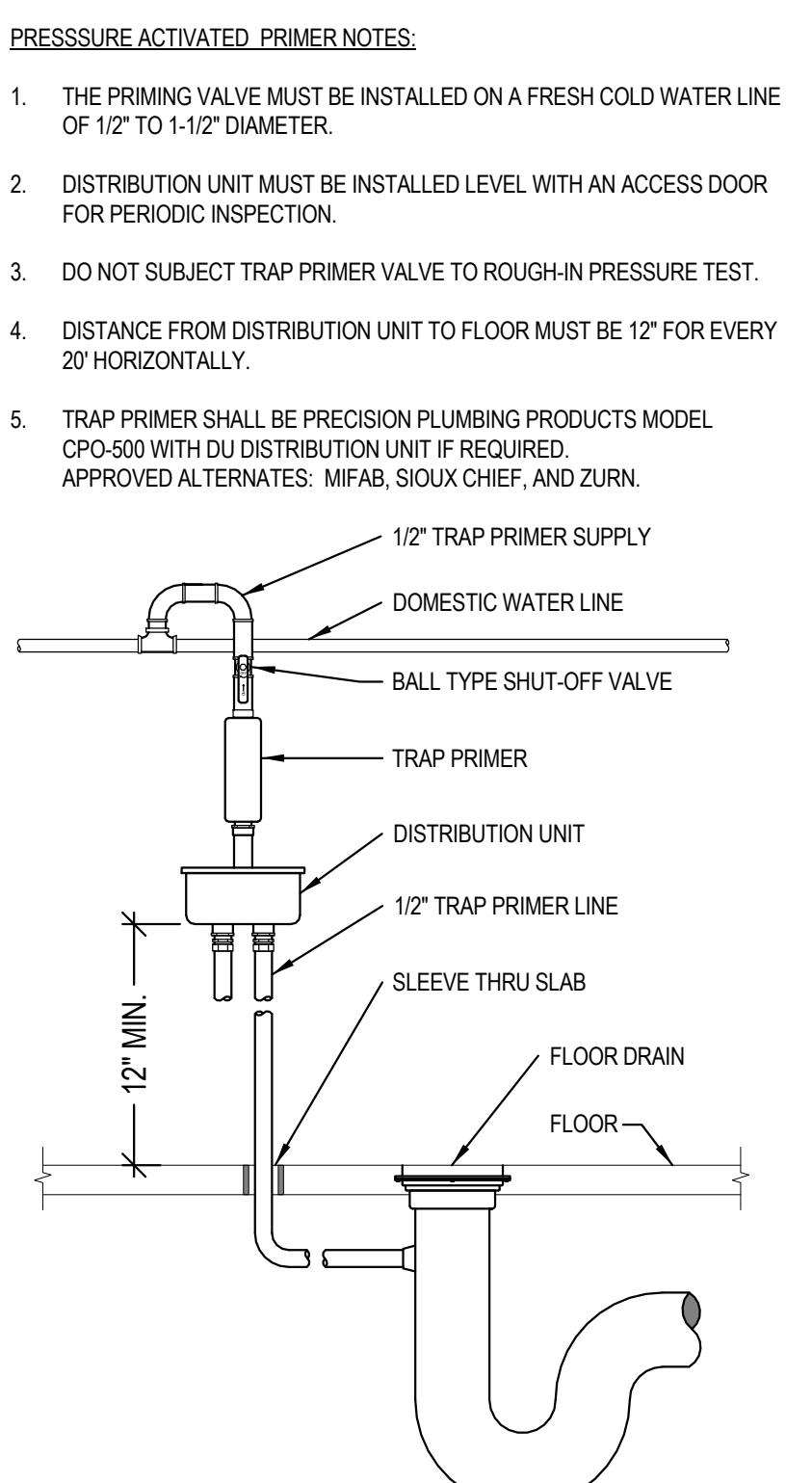
PEDESTRIAN TRAFFIC AREAS / NON-PAVED AREAS



VEHICULAR TRAFFIC AREAS / PAVED AREAS

③ GRADE CLEANOUT (GCO) DETAIL
NTS⑤ WALL CLEANOUT (WCO) DETAIL
NTS

B

④ TRAP PRIMER CONNECTION DETAIL
NTS⑤ WALL CLEANOUT (WCO) DETAIL
NTS

C

⑥ FLOOR CLEANOUT (FCO) DETAIL
NTS

D

City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	LR

SHEET NAME:

PLUMBING DETAILS

SHEET NUMBER:

P301

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY

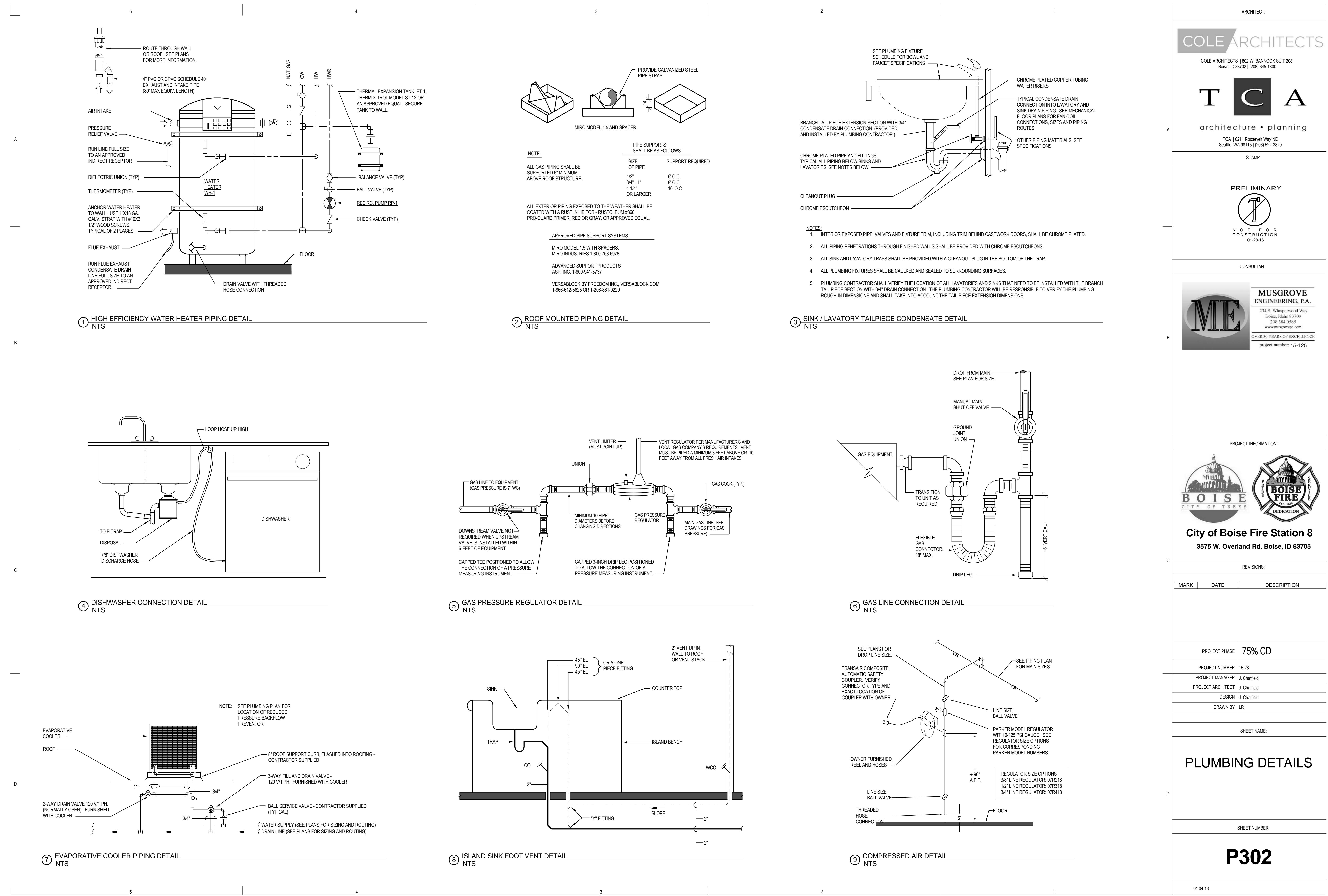


CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisperwood Way
Boise, Idaho 83709
208 344 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE

project number: 15-125



COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:

PRELIMINARY

N O T E F O R
C O N S T R U C T I O N
01-28-16

CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE

75% CD

PROJECT NUMBER

15-28

PROJECT MANAGER

J. Chatfield

PROJECT ARCHITECT

J. Chatfield

DESIGN

J. Chatfield

DRAWN BY

LR

SHEET NAME:

PLUMBING
SCHEMES

SHEET NUMBER:

P401

01.04.16

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
D-1	DISPOSER	2	1 1/2	1 1/2	-	-	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR.
DCBP-1	DOUBLE CHECK BACKFLOW PREVENTER	--	--	--	SEE PLANS	--	WATTS SERIES LF 007 DOUBLE CHECK VALVE ASSEMBLY WITH REPLACEABLE SEATS AND SEAT DISCS, CAST BRONZE BODY CONSTRUCTION - 1/2" THRU 2", 2 1/2" THRU 10" 757 SERIES. PROVIDE WITH STRAINER, LEAD FREE.
DF-1	DRINKING FOUNTAIN WITH BOTTLE FILLING STATION (INTERIOR DUAL BUBBLERS) (ELECTRIC WATER COOLER) (ADA COMPLIANT) (HIGHFLOW)	1 1/2	1 1/2	1 1/2	1/2	--	ELKAY MODEL LZSLT8WSLK HIGH/LOW COOLER WITH BOTTLE FILLING STATION WITH FLEXI-GUARD STREAMSAVER BUBLER, OPERATED BY FRONT OR SIDE PUSH BARS AND BOTTLE FILLING STATION OPERATED BY SENSOR ACTIVATION WITH AUTOMATIC 30-SECOND SHUT-OFF TIMER, 115 VOLT, 4.5 AMP, 60 HERTZ, AND FILTER. PROVIDE WITH JAY R. SMITH 0834 FLOOR MOUNTED SUPPORT CARRIER.
DW-1	DISHWASHER	--	--	--	--	1/2	PROVIDED BY OTHERS, CONNECT WASTE TO DISPOSAL. SEE DETAIL SHEET P302.
ET-1	EXPANSION TANK	--	--	--	3/4	--	AMTROL THERM-X-TROL ST-12, OR APPROVED EQUAL, NON ASME SERIES THERMAL EXPANSION ABSORBER, ANTIMICROBIAL LINER, AND 5 YEAR WARRANTY.
ES-1	EMERGENCY EYE WASH/ SHOWER COMBINATION (FLOOR MOUNTED) (ADA COMPLIANT)	--	--	--	1	1	ACORN MODEL S2310 BARRIER FREE COMBINATION SHOWER AND EYE WASH, WITH PULL ROPE AND PUSH FLAG, ABS SHOWERHEAD AND EYE/FACE WASH. PROVIDE WITH DUST COVER AND UNIVERSAL SIGN. PROVIDE WITH FD-1 AND MIXING VALVE TMV-33, 1 1/4" T.W.
FCO	FLOOR CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4020 SERIES WITH ADJUSTABLE TOP AND ABS PLUG. PROVIDE WITH FIGURE NUMBER 9912 FOR HEIGHT ADJUSTMENT AFTER CONCRETE POUR.
FD-1	FLOOR DRAIN (CONCRETE FLOOR)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 2005Y-A05NB: NO-HUB OUTLET, 5" ROUND, NICKEL BRONZE FINISH, WITH ADJUSTABLE STRAINER AND TRAP PRIMER. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FS-1	FLOOR SINK (HALF GRATE) (6" DEEP) (FOOT TRAFFIC RATED)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 3100Y-12: CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
GCO	GRADE CLEANOUT (NON-PAVED AREAS)	SEE PLANS	--	--	--	--	JAY R. SMITH 4220 SERIES WITH ABS PLUG.
GCO	GRADE CLEANOUT (PAVED AREAS) (VEHICULAR TRAFFIC)	SEE PLANS	--	--	--	--	JAY R. SMITH 4250 SERIES, ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER. FURNISH WITH ABS PLUG. COVER TO BE INSCRIBED "SAN".
HB-1	HOSE BIBB (EXTERIOR) (NON-FREEZE)	--	--	--	3/4	--	WOODFORD MODEL 67 - EXPOSED STYLE WITH MODEL 60HA BACKFLOW PREVENTER, 3/4" INLET, AND CHROME PLATED. PROVIDE WITH TEE KEY AND INSTALL AT 18" ABOVE GRADE.
HB-2	HOSE BIBB (INTERIOR)	--	--	--	3/4	--	WOODFORD MODEL 26 - EXPOSED STYLE WITH 3/4" INLET, AND CHROME PLATED. PROVIDE WITH METAL WHEEL HANDLE AND WOODFORD MODEL 50HF BACKFLOW PREVENTER.
IM-1	ICE MACHINE	INDIRECT			1/2	--	PROVIDED BY OTHERS, INSTALLED BY CONTRACTOR. PROVIDE WITH REDUCED PRESSURE BACKFLOW PREVENTER.
LAV-1	LAVATORY (COUNTERTOP / CABINET MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER PENNINGTON MODEL K-2196-4: VITREOUS CHINA, COUNTERTOP MOUNTED, HOLES ON 4" CENTERS, AND GRID STRAINER. KOHLER CORALIS MODEL K-1519B: 4 1/2" LONG, SINGLE LEVER FAUCET WITH 5 GPM AERATOR. PROVIDE WITH WATTS SERIES USC-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 110°F. PROVIDE WITH PIPING INSULATION, TRUEBRO LAV GUARD, PLUMBEREX HAND-SHIELD, OR EQUAL.
OI-1	OIL AND SAND INTERCEPTOR (1500 GALLONS)	4	3	--	--	--	PRE-CAST CONCRETE, 1500 GALLON CAPACITY, OIL AND SAND INTERCEPTOR. SEE DRAWING FOR DETAILS. NO SPLIT DESIGN VAULTS WITH GASKETS BELOW FLUID LEVEL ALLOWED.
RD-1	ROOF DRAIN (SCUPPER W/ ANGLE METAL GRATE)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1510T, 90° THREADED SIDE OUTLET DRAIN WITH ANGLED GRATE, CAST IRON BODY. PROVIDE WITH DOWNSPOUT ADAPTOR FIGURE NUMBER 1550.
RH-1	ROOF HYDRANT (NON FREEZE)	--	--	--	1	--	WOODFORD MODEL RHY2-MS: NON-FREEZE STYLE WITH 3/4" HOSE CONNECTION AND INTEGRAL DOUBLE CHECK BACKFLOW PREVENTER. REQUIRES 1/8" DRAIN HOLE TO BE PIPED TO A DRAIN LOCATION.
RP-1	RECIRCULATION PUMP (HOT WATER RETURN SYSTEM)	--	--	--	3/4	--	BELL AND GOSSETT BRONZE MODEL NFB-10SLW, 115 VOLT, 46 AMPS, 55 WATTS, AND SHALL PROVIDE 4 GPM AT 7 FEET HEAD. INCLUDE 7-DAY PROGRAMMABLE ELECTRONIC TIME CLOCK WITH BATTERY BACKUP, INTERMATIC MODEL GM40AVE. APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS
RPBP-1	REDUCED PRESSURE BACKFLOW PREVENTER	INDIRECT			--	--	WATTS SERIES LP009 REDUCED PRESSURE ZONE ASSEMBLY WITH QUARTER TURN BALL VALVES, BRONZE STRAINER, AND AIR GAP. BRONZE BODY CONSTRUCTION - 1/2" THRU 2", PROVIDE WITH STRAINER, LEAD FREE: 2 1/2" THRU 10" 957 SERIES. SEE NOTE 6.
S-1	APPARATUS SINK SINGLE COMPARTMENT (14" X 10" X 5") (WALL MOUNTED)	2	1 1/2	1 1/2	1/2	1/2	ADVANCED TABCO MODEL 7-PS-71, 5" DEEP, WALL-MOUNTED, STAINLESS STEEL SINK. PROVIDE WITH CHICAGO FAUCET MODEL 629-ABC P-REMOTE RIGID/SWING GOOSENECK SPOUT. PROVIDE CHICAGO FAUCET MODEL 625-SLOABRCF HOT AND COLD WATER PEDAL BOX WITH SHORT PEDALS FOR OPERATION.
S-2	DECON SINK - DOUBLE COMPARTMENT, TWO DRAINBOARDS (FLOOR MOUNTED)	2	1 1/2	1 1/2	1/2	1/2	ADVANCED TABCO MODEL 94-22-40-18RL: TWO COMPARTMENT, TWO DRAINBOARDS, FLOOR MOUNTED STAINLESS STEEL SINK WITH 14" WATER LEVEL, AND ADJUSTABLE BULLET FEET. PROVIDE WITH CHICAGO FAUCET MODEL DJ18/KABC/P, 18" DOUBLE-JOINT SWING SPOUT AND CHICAGO FAUCET MODEL 629-LESAB SINGLE INLET REMOTE FITTING FOR WALL MOUNTED APPLICATION. PROVIDE CHICAGO FAUCET MODEL 625-SLOABRCF HOT AND COLD WATER PEDAL BOX WITH SHORT PEDALS FOR OPERATION.
S-3	KITCHEN SINK - DOUBLE COMPARTMENT (13" X 16" X 6 1/2" EACH) (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD-3322: 6 1/2" DEEP STAINLESS STEEL SINK. PROVIDE KOHLER K-647-V SINGLE LEVER PULL-DOWN, STAINLESS STEEL SWING SPOUT FAUCET. PROVIDE WITH ELKAY MODEL LK-35 CHROME PLATED TAIPiece AND STAINLESS STEEL BASKET.
S-4	PREP SINK - SINGLE COMPARTMENT (15" X 15" X 7")	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL BLR150C: 7" DEEP STAINLESS STEEL SINK. PROVIDE WITH ELKAY MODEL LKD2223, DUAL HANDLE MIXING FAUCET WITH HIGH GOOSENECK SPOUT AND ELKAY MODEL LK-35 CHROME PLATED TAIPiece AND STAINLESS STEEL BASKET.
SA-1	SHOCK ABSORBER (WATER HAMMER ARRESTOR)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 5005 TO 5050, OR APPROVED EQUAL, SIZED PER FIXTURES SERVED. PROVIDE AN ACCESS PANEL AND A BALL TYPE SHUT-OFF VALVE UPSTREAM OF SHOCK ABSORBER.
SHR-1	SHOWER TRIM (PUBLIC STANDARD)	2	1 1/2	2	1/2	1/2	MOEN MODEL R375EP15 SINGLE-HANDLE PRESSURE BALANCING SHOWER ONLY (1.5 GPM), POSI-TEMP, 4 PORT CYCLING VALVE WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4" TURN STOPS, POLISHED CHROME FINISH, AND VANDAL RESISTANT HEAD, ARM, AND FLANGE.
SHR-2	SHOWER TRIM (ADA COMPLIANT)	2	1 1/2	2	1/2	1/2	ACORN MODEL 638-ADA BARRIER FREE SHOWER. INCLUDES 54FT-TROL PRESSURE BALANCING MIXING VALVE WITH HIGH LIMIT TEMP. SET TO 107°F. LOW FLOW SHOWER HEAD (1.4 GPM), DIVERTER VALVE, HAND HELD SHOWER SPRAY, FLOW CONTROL, L-SHAPED GRAB BAR, BARRIER FREE ADA COMPLIANT SEAT, SHOWER CURTAIN, INDIVIDUAL STOPS, AND RECESSED SOAP DISH.
SS-1	SERVICE SINK (36" X 24" X 10") (FLOOR MOUNTED)	3	2	3	1/2	1/2	ACORN TERRAZZO-WARE MODEL TSH-3624: PROVIDE AND INSTALL WITH STAINLESS STEEL BUMPER GUARD, DRAIN GASKET, CHROME FAUCET, 36" HOSE AND WALL HANGER, MOP HANGER, AND 3 SIDE STAINLESS STEEL WALL GUARD.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
ID-1	TRENCH DRAIN (10" WIDE) (HEAVY TRAFFIC RATED)	4	2	2	--	--	JAY R. SMITH FIGURE NUMBER 9812 10" WIDE TRENCH DRAIN SYSTEM. SLOPE DRAIN SYSTEM WITH INTEGRAL METAL RAIL, PROVIDED WITH END CAPS, OUTLETS, CATCH BASIN (9812G-880-CB24-BP), AND HEAVY DUTY (CLASS C) GALVANIZED STEEL BAR GRATE (MODEL 9812-G). REFER TO ARCHITECTURAL PLAN FOR EXACT LENGTH REQUIREMENTS.
TP-1	TRAP PRIMER (1 TO 4 TRAPS)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL CPO-500 WITH DU DISTRIBUTION UNIT IF REQUIRED FOR SERVING MORE THAN ONE TRAP. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
TP-2	TRAP PRIMER (FLUSH VALVE PRIMER) (1 TRAP)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH VACUUM BREAKER. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, SLOAN, AND ZURN
WB-1	WALL BOX (WATER SUPPLY TO ICE MAKER)	--	--	--	1/2	--	OATEY FIREMASTER MODEL 39121 WITH FACEPLATE, ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTOR. FIRE RATED, LOW LEAD, OR APPROVED EQUAL.
WB-2	WALL BOX (SUPPLY TO AND DRAIN FROM WASHING MACHINE)	2	1 1/2	2	1/2	1/2	OATEY FIREMASTER MODEL 38478 WITH ADJUSTABLE METAL SUPPORT BRACKET, AND WATER HAMMER ARRESTORS. FIRE RATED, OR APPROVED EQUAL.
WC-1	WATER CLOSET (DUAL FLUSH TANK) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA)	4	2	INT.	1/2	--	KOHLER HIGHLINE MODEL K-3989, DUAL FLUSH, FLOOR MOUNTED, GRAVITY FLUSH TANK WITH ELONGATED BOWL. 1.6 GPF OR 1.1 GPF. PROVIDE KOHLER LUSTRA MODEL K-4650 ELONGATED, OPEN FRONT SEAT WITH CHECK HINGE AND COVER.
WC-2	WATER CLOSET (DUAL FLUSH VALVE) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA COMPLIANT)	4	2	INT.	1	--	KOHLER HIGHCREST MODEL K-4302, FLOOR MOUNTED, FLUSH VALVE WITH ELONGATED BOWL. PROVIDE KOHLER LUSTRA MODEL K-4666: ELONGATED, OPEN FRONT SEAT WITH CHECK HINGE AND NO COVER. SLOAN DUAL FLUSH FLUSHOMETER MODEL WES-111, 1.6 GPF OR 1.1 GPF.
WC-3	WALL CLEANOUT	SEE PLANS	--	--	--	--	

ELECTRICAL LEGEND - LIGHTING

- REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE.
- DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR.
 - WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
 - SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR.
 - WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
 - ← ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN.
 - 1X4' LIGHT FIXTURE.
 - 1X4' LIGHT FIXTURE, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
 - 2X4' LIGHT FIXTURE.
 - 2X4' LIGHT FIXTURE, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
 - 2X2' LIGHT FIXTURE.
 - 2X2' LIGHT FIXTURE, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
 - STRIP FLUORESCENT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
 - STRIP FLUORESCENT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
 - WALL MOUNTED LIGHT FIXTURE.
 - WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
 - RECESSED LIGHT FIXTURE.
 - RECESSED LIGHT FIXTURE, PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.
 - ROUND LIGHT FIXTURE.
 - ROUND EMERGENCY LIGHT FIXTURE.
 - WALL MOUNTED LIGHT FIXTURE.
 - WALL MOUNTED EMERGENCY LIGHT FIXTURE.
 - POLE LIGHT HEAD WITH POLE.
 - TIME CLOCK.
 - PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.
 - OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED.
 - LED DRIVER.
 - EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR.
 - EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED CONDUCTOR.
 - XXX INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.
 - EXTERIOR WALL PACK.
 - EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BALLAST CONNECTED TO AN UNSWITCHED CONDUCTOR.

SECURITY

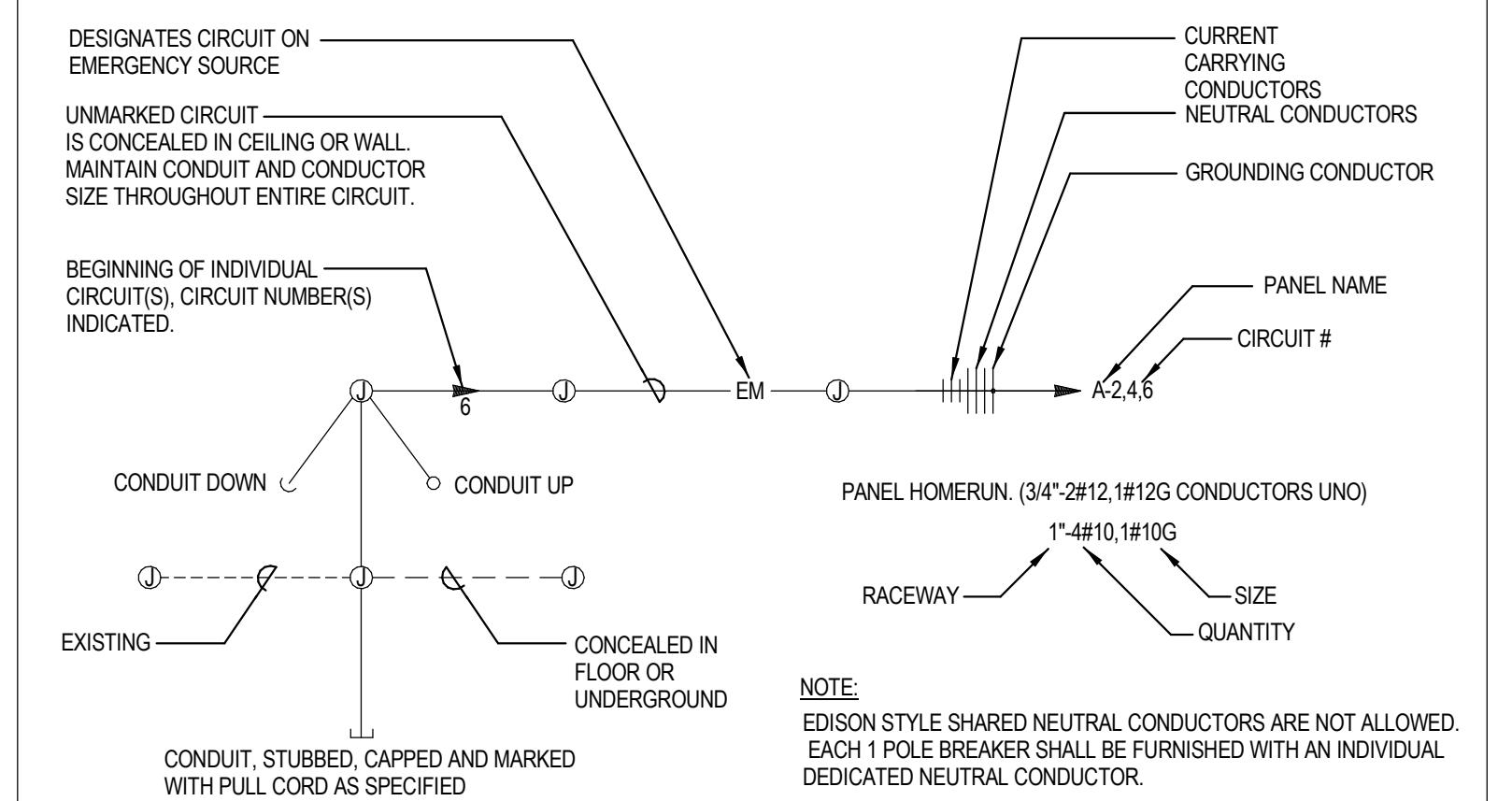
- ADJUSTABLE CAMERA (PAN/TILT/ZOOM).
- FIXED CAMERA.
- CAMERA IN OUTDOOR HOUSING.
- ADJUSTABLE CAMERA (PAN/TILT/ZOOM) IN OUTDOOR HOUSING.
- CCTV OUTLET, +18" UNO.
- CEILING MOUNTED CCTV OUTLET.
- SECURITY SYSTEM KEYPAD CONTROLLER COORDINATE BOX SIZE AND MUDRING WITH VENDOR.
- CARD READER.
- CEILING MOUNTED MOTION SENSOR.
- WALL MOUNTED MOTION SENSOR, MOUNTING HEIGHT INDICATED.
- PANIC BUTTON - MOUNTED UNDER COUNTER.

NOTE: THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS. SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS DRAWING PACKAGE.

DEVICES

- S1 SWITCH, TYPE AS INDICATED. +46" AFF.
- 2 DOUBLE POLE
- 3 3-WAY
- 4 4-WAY
- K KEYED
- P PILOT LIGHT
- D DIMMER
- HP HORSEPOWER RATED
- TO THERMAL OVERLOAD
- LV LOW VOLTAGE
- OS OCCUPANCY SENSOR
- OR LOW VOLTAGE, MOMENTARY OVERRIDE
- VS VACANCY SENSOR
- a SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER
- S\$ DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- S\$S DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- \$S SINGLE CONVENIENCE OUTLET, +18" AFF UNO.
- \$D DUPLEX CONVENIENCE OUTLET, +18" AFF UNO.
- FLOOR MOUNT DUPLEX CONVENIENCE OUTLET.
- EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO.
- SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO.
- FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO.
- FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET.
- C CONNECTION POINT TO EQUIPMENT SPECIFIED. ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO.
- J JUNCTION BOX.
- W WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO.
- W WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO.
- M MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED.
- C COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED. NEMA 1 UNO.
- F FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, NEMA 1 UNO.
- F NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO.
- T THERMOSTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15.
- T TRANSFORMER.
- P PANELBOARD. SEE SCHEDULE FOR TYPE.
- E EQUIPMENT CABINET, SURFACE MOUNTED.
- E EQUIPMENT CABINET FLUSH MOUNTED.
- S SURFACE MULTI-OUTLET RACEWAY.
- MECHANICAL EQUIPMENT CALL OUT.

CIRCUITING SYMBOLS



ONE LINE

- DELTA WYE TRANSFORMER UNO.
- # PANEL NAME VOLTAGE PHASE PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE.
- # P CIRCUIT BREAKER, SIZE AND POLES INDICATED.
- 25A 3P INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES INDICATED. NEMA 1 UNO.
- 25A 3P INDIVIDUAL BREAKER, SIZE AND POLES INDICATED. NEMA 1 UNO.
- GFP GROUND FAULT PROTECTION.
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION.
- LSIGR ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS):
L=LONG TIME
S=SHORT TIME
I=INSTANTANEOUS
G=GROUND FAULT
R=ENERGY REDUCING MAINTENANCE SWITCH
W=STATUS INDICATOR
- GND GROUND.
- ST SHUNT TRIP COIL.
- M MOTOR.
- OVERHEAD SERVICE DROP.
- XXXAXP GENERATOR SET, MAIN BREAKER SIZE INDICATED.
- ATS AUTOMATIC TRANSFER SWITCH (ATS).
- METER AND BASE.
- NEUTRAL.
- T TRANSFORMER.
- PAD MOUNT TRANSFORMER.

FIRE ALARM

- F PULL STATION, +44" AFF WITH PRE-ALARM COVER.
- FKH FIRE ALARM HORN, +84" AFF UNO.
- F15 FIRE ALARM STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED.
- F15 FIRE ALARM HORN/STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED.
- FJB FIRE ALARM BELL, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED.
- FJH FIRE ALARM CHIME, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED.
- F15 FIRE ALARM CHIME/STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED.
- EOL END OF LINE RESISTOR.
- FS FLOW SWITCH, PROVIDE MONITOR MODULE AS REQUIRED.
- TS TAMPER SWITCH, PROVIDE MONITOR MODULE AS REQUIRED.
- PS PRESSURE SWITCH, PROVIDE MONITOR MODULE AS REQUIRED.
- FSA FIRE SYSTEM ANNUNCIATOR, FLUSH MOUNTED +54" UNO.
- PIV POST INDICATOR VALVE, PROVIDE MONITOR MODULE AS REQUIRED.
- DHD ELECTROMAGNETIC DOOR HOLDER.
- R RELAY.
- CM CONTROL MODULE.
- MM MONITOR MODULE.
- FB FIRE ALARM KNOX BOX.
- FCP FIRE ALARM CONTROL PANEL.
- GFCI GROUND FAULT CIRCUIT INTERRUPTER.
- GFI GROUND FAULT INTERRUPTER.
- HH HAND-HOLE AUTO.
- HVAC HEATING, VENTILATION, & AIR CONDITIONING.
- IG ISOLATED GROUND.
- PJP POWER COMPANY JUNCTION BOX.
- KA KILOAMP.
- KW KILOWATT.
- KWH KILOWATT HOUR.
- LCP LIGHTING CONTROL PANEL.
- MB MAIN BREAKER.
- MCBC MAIN CIRCUIT BREAKER.
- MDC MAIN DISTRIBUTION CENTER.
- MLO MAIN LUGS ONLY.
- MH METAL HALIDE.
- MSB MAIN SWITCH BOARD.
- MTG MEETING POINT.
- N NEUTRAL.
- NEW.
- NC NORMALLY CLOSED.
- NEC NATIONAL ELECTRICAL CODE.
- NIC NOT IN CONTRACT.
- NL NIGHT LIGHT.
- NO NORMALLY OPEN.
- NTS NOT TO SCALE.
- OH ON HOLD.
- OS OCCUPANCY SENSOR.
- P POLES.
- PC PHOTO-CONTROL.
- PVC POLYVINYL CHLORIDE.
- PWR POWER.
- RE REFERENCE.
- REC RECEPTACLE.
- R RELOCATED.
- SF SQUARE FEET.
- TBD TO BE DETERMINED.
- TDR TIME DELAY RELAY.
- TK TOE KICK.
- TSP TWISTED SHIELDED PAIR.
- TRT TRIPLE TUBE.
- TTB TELEPHONE TERMINAL BOARD.
- TYP TYPICAL.
- UC UNDERCABINET.
- UG UNDERGROUND.
- V VOL.
- VA VOL-AMPERE.
- W WATT.
- WG WIRE GUARD.
- WP WEATHER PROOF/NEMA 3R.

ELECTRICAL ABBREVIATIONS

- | Sheet Number | Sheet Name |
|--------------|---------------------------------------|
| E000 | ELECTRICAL COVER SHEET |
| E001 | LIGHTING COMPLIANCE REPORT |
| E101 | ELECTRICAL SITE PLAN |
| E201 | 1ST FLOOR FIRE ALARM PLAN |
| E202 | 2ND FLOOR FIRE ALARM PLAN |
| E203 | 1ST FLOOR LIGHTING PLAN |
| E204 | 2ND FLOOR LIGHTING PLAN |
| E205 | 1ST FLOOR MECHANICAL POWER PLAN |
| E206 | 2ND FLOOR MECHANICAL POWER PLAN |
| E207 | 1ST FLOOR POWER PLAN |
| E208 | 2ND FLOOR POWER PLAN |
| E209 | 1ST FLOOR SPECIAL SYSTEMS PLAN |
| E210 | 2ND FLOOR SPECIAL SYSTEMS PLAN |
| E300 | ELECTRICAL ROOF PLAN |
| E400 | ONE-LINE DIAGRAM/ELECTRICAL SCHEDULES |
| E401 | ELECTRICAL SCHEDULES |
| E402 | ELECTRICAL SCHEDULES |
| E500 | ELECTRICAL DETAILS |
| E501 | ELECTRICAL DETAILS |
| E502 | ELECTRICAL DETAILS |

COMMUNICATIONS

- #D,#T TELEPHONE/DATA OUTLET, +18" AFF UNO. FOUR-SQUARE DEEP TYPE BOX WITH SINGLE GANG MUDRING, WITH QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED.
- FLOOR MOUNTED TELEPHONE/DATA OUTLET.
- I INTERCOM.
- C CEILING MOUNTED SPEAKER WITH BACKBOX.
- W WALL MOUNTED SPEAKER, WITH BACKBOX, +80" UNO.
- HVOLUME CONTROL, MOUNT AT SWITCH HEIGHT UNO. FOUR-SQUARE DEEP TYPE BOX WITH SINGLE GANG MUDRING.
- HTV TELEVISION OUTLET, +18" AFF UNO. FOUR-SQUARE TYPE BOX WITH SINGLE GANG MUDRING.
- TV CEILING MOUNTED TELEVISION OUTLET.
- TTB TELEPHONE TERMINAL BOARD.

NOTE: THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-3820

TCA
architecture • planning
TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820
STAMP:

NOT FOR CONSTRUCTION
01-28-16

MUSGROVE
ENGINEERING, P.A.
234 S. Whisewood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE
project number: 15-125



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

PROJECT ARCHITECT J. Chatfield

DESIGN J. Chatfield

DRAWN BY RM/MTM

SHEET NAME:

E000

01.04.16

SHEET NUMBER:

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

A
architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:



CONSULTANT:



**MUSGROVE
ENGINEERING, P.A.**

234 S. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

C
REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE | 75% CD

PROJECT NUMBER | 15-28

PROJECT MANAGER | J. Chatfield

PROJECT ARCHITECT | J. Chatfield

DESIGN | J. Chatfield

DRAWN BY | RM/TM

SHEET NAME:

**LIGHTING
COMPLIANCE
REPORT**

E001

01.04.16

ENERGY CODE COMMISSIONING COMPLIANCE NOTES

SECTION 408 SYSTEM COMMISSIONING

IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY:

A. AS-BUILT DRAWINGS - DRAWINGS SHALL INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MECHANICAL EQUIPMENT.

B. OPERATING AND MAINTENANCE MANUALS - MANUALS SHALL INCLUDE THE FOLLOWING:

1. SUBMITTAL DATA ON ALL PIECES OF EQUIPMENT REQUIRING MAINTENANCE.
2. MANUFACTURER'S OPERATIONS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
3. NAME AND ADDRESS AND PHONE NUMBER OF AT LEAST ONE (1) SERVICE PROVIDED.
4. LIGHTING CONTROL SYSTEMS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, EQUIPMENT AND SYSTEM SCHEMATICS, AND CONTROL SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPOINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, IN THE SYSTEM PROGRAMMING INSTRUCTIONS.
5. A NARRATIVE ON HOW EACH LIGHTING SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.

C. LIGHTING SYSTEM FUNCTIONAL TESTING REQUIREMENTS

FUNCTIONAL TESTING - ALL AUTOMATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PIROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

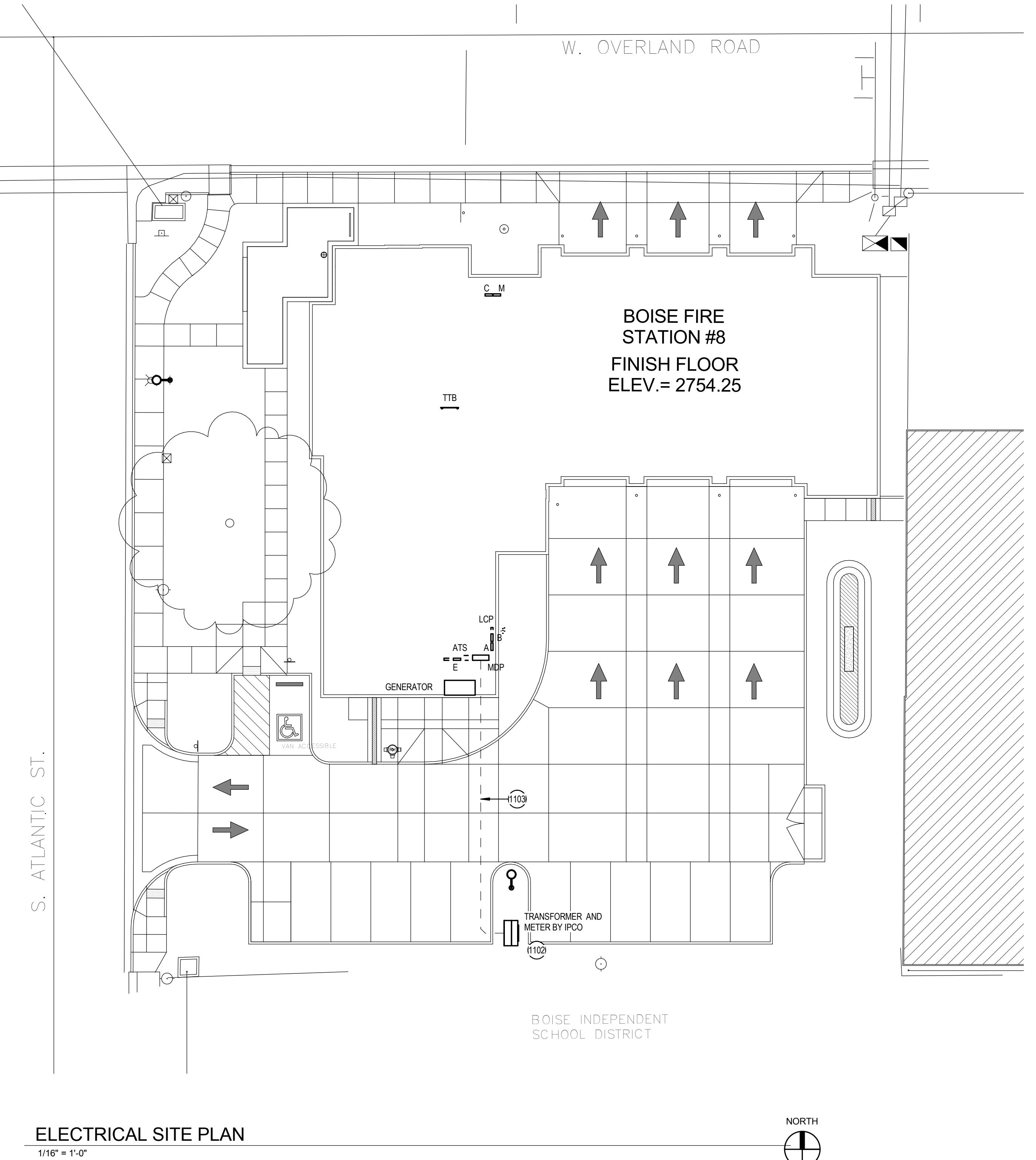
THE APPROVED PARTY THAT WILL CONDUCT THE FUNCTIONAL TESTING ON THE AUTOMATIC LIGHTING CONTROL SYSTEM SHALL BE

WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE CONTROLS, PHOTORESISTORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

1. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
2. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
3. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTORESISTOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

D. FINAL LIGHTING SYSTEM FUNCTIONAL REPORT - A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS THE "FINAL LIGHTING CONTROL REPORT" SHALL BE DELIVERED TO THE BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING:

1. LIST OF FUNCTIONAL TESTS USED DURING THE COMMISSIONING PROCESS ON EACH PIECE OF EQUIPMENT.
2. RESULTS OF ALL FUNCTIONAL TESTS ON ALL PIECES OF EQUIPMENT.
3. LIST OF DEFICIENCIES FOUND AND CORRESPONDING CORRECTIVE MEASURES EITHER IMPLEMENTED OR PROPOSED ON EACH PIECE OF EQUIPMENT.
4. LIST OF EQUIPMENT NOT ABLE TO BE FUNCTIONALLY TESTED DUE TO CURRENT CLIMATE CONDITIONS. THESE PIECES OF EQUIPMENT WILL FUNCTIONALLY TESTED ONCE CLIMATE CHANGES ALLOW.

**GENERAL NOTES**

- A. CONTRACTOR SHALL COORDINATE WITH AN UNDERGROUND LOCATING SERVICE PRIOR TO COMMENCING WORK. COORDINATE WITH OTHER SITE DISCIPLINES.
- B. ROUTE CONDUITS IN COMMON TRENCH WHERE POSSIBLE. RE-TRENCHING DETAIL.
- C. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- D. SITE LIGHTING AND UTILITY EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS, PROPERTY LINES, AND UTILITY COMPANIES PRIOR TO ROUGH-IN.
- E. PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.

KEYED NOTES

○ SYMBOL USED FOR NOTE CALLOUT.
 1102 PAD MOUNTED TRANSFORMER, PAD, AND METER BY IDAHO POWER COMPANY.
 1103 UNDERGROUND SECONDARY, RE: ONE-LINE

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



TCA
architecture • planning

TCA | 8311 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:



CONSULTANT:



MUSGROVE
ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, Idaho 83709
208.354.0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

ELECTRICAL SITE PLAN

SHEET NUMBER:

E101

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisperwood Way
Boise, Idaho 83709
208 354 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

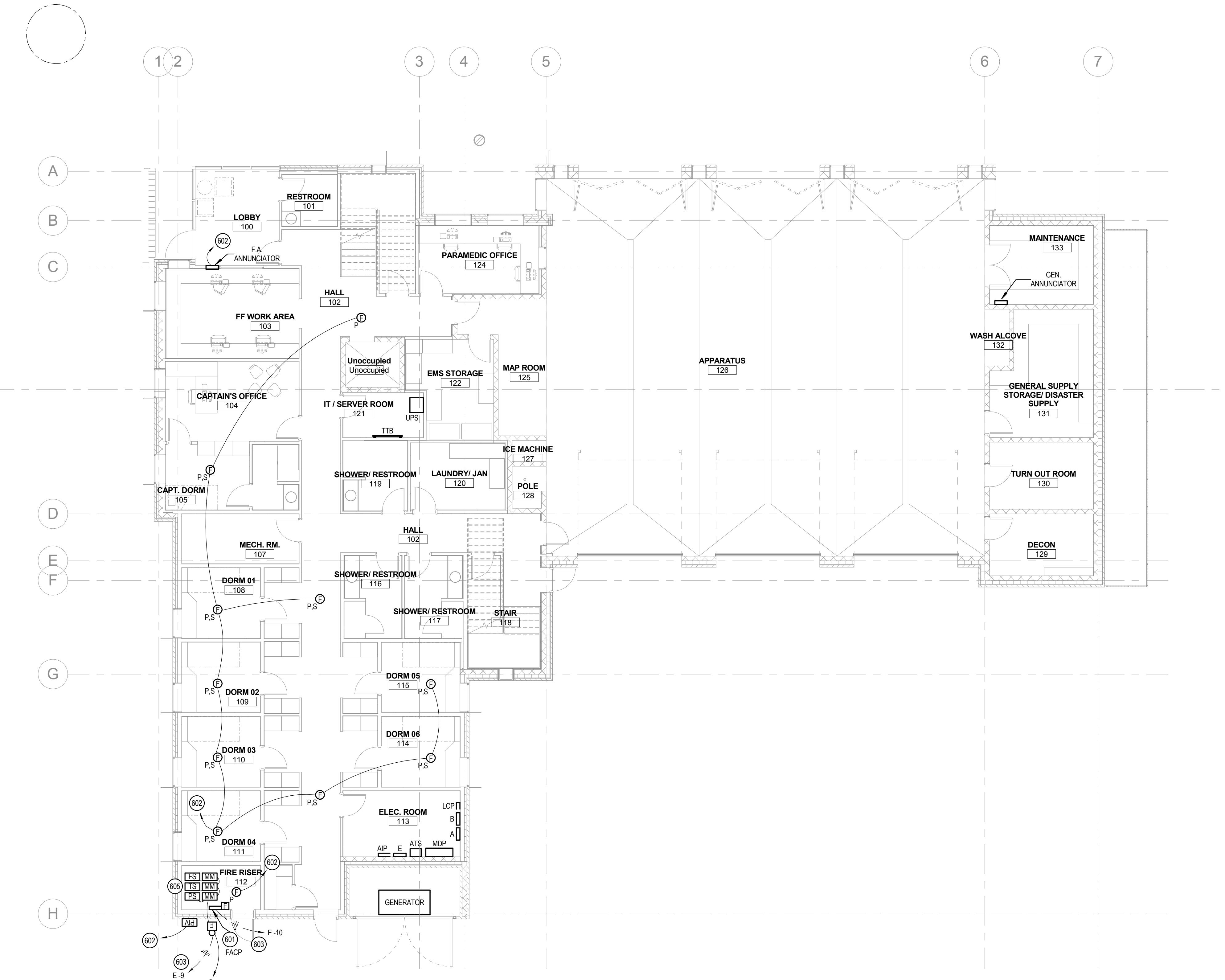
PROJECT PHASE: 75% CD

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

1ST FLOOR FIRE
ALARM PLAN

E201

1ST FLOOR FIRE ALARM PLAN
1/8" = 1'-0"

GENERAL NOTES

- A. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM DEVICES INDICATED TO FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

KEYED NOTES

○ SYMBOL USED FOR NOTE CALLOUT.

- 601 FIRE ALARM CONTROL PANEL.
602 TO FIRE ALARM CONTROL PANEL.
603 PROVIDE RED HANDLE, LOCKOUT TYPE CIRCUIT BREAKER IN PANEL AT POSITION INDICATED.
605 COORDINATE QUANTITY OF TAMPER SWITCHES, FLOW SWITCHES, AND PRESSURE SWITCHES WITH FIRE SPRINKLER CONTRACTOR. PROVIDE ALL REQUIRED MONITOR MODULES.

E201

GENERAL NOTES

- A. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM DEVICES INDICATED TO FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

KEYED NOTES

SYMBOL USED FOR NOTE CALLOUT.

602 TO FIRE ALARM CONTROL PANEL.

609 MOUNT HEAT DETECTOR WITHIN 18" OF SPRINKLER HEAD AT THE TOP OF THE SHAFT.

610 SMOKE DETECTOR MOUNTED AT THE TOP OF THE SHAFT.

614 PROVIDE AND INSTALL MONITOR MODULE FOR SHUNT TRIP VOLTAGE, CONTROL MODULES FOR ACTIVATION OF ELEVATOR SHUNT TRIP, FIRE HAT, PRIMARY RECALL, SECONDARY RECALL AND ALL OTHER RELAYS AND HARDWARE REQUIRED.

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208

Boise, ID 83702 | (208) 345-3820



architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:



CONSULTANT:

MUSGROVE
ENGINEERING, P.A.
234 N. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE!
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

PROJECT ARCHITECT J. Chatfield

DESIGN J. Chatfield

DRAWN BY RM/TM

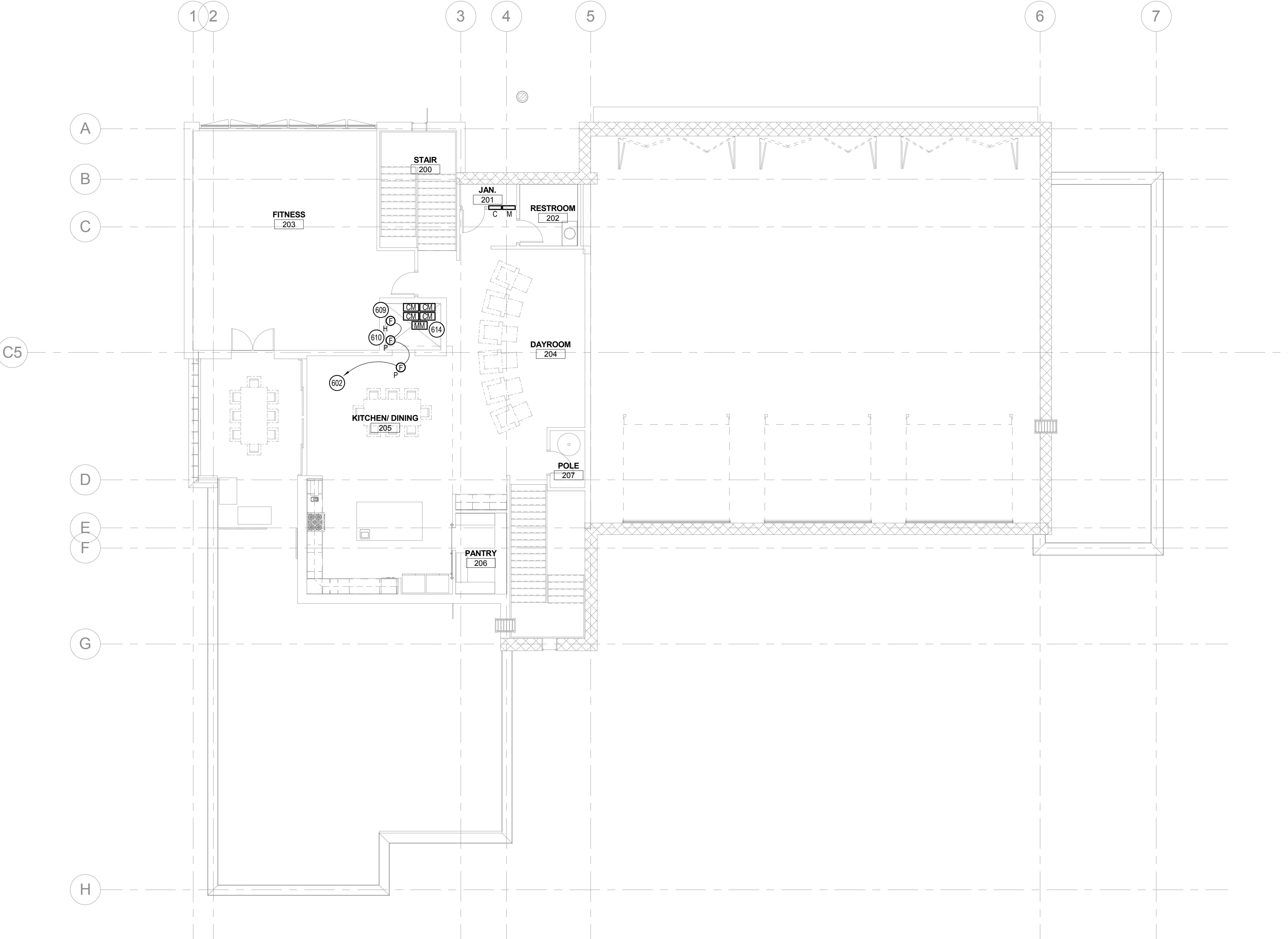
SHEET NAME:

2ND FLOOR FIRE
ALARM PLAN

SHEET NUMBER:

E202

01.04.16



NORTH

2ND FLOOR FIRE ALARM PLAN
1/8" = 1'-0"

GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE: THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. REFER TO ADN COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
 - B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

KEYED NOTES

 SYMBOL USED FOR NOTE CALLOUT.

- 701 LIGHTING CONTROL PANEL. RE:LIGHTING CONTROL PANEL DETAIL

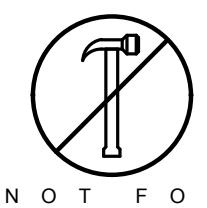
702 ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL. RE:LIGHTING CONTROL PANEL DETAIL

703 PROVIDE MOMENTARY LOW-VOLTAGE OVERRIDE SWITCH WITH CABLING BACK TO LIGHTING CONTROL PANEL AS REQUIRED. SWITCH SHALL BE LABELED 'override' AND PROVIDE 2 HOURS OF OPERATION FOR THE LIGHTING DURING NON-BUSINESS HOURS.

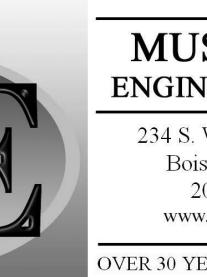
705 CONNECT SUCH THAT EITHER OCCUPANCY SENSOR WILL CONTROL THE LIGHTING IN THIS ROOM.

706 1/2" CONDUIT WITH 2#12 TO ALARM INTERFACE PANEL. ACTIVATION OF ALARM SHALL ILLUMINATE ALL LIGHTS ON ASSOCIATED CIRCUIT REGARDLESS OF SWITCH POSITIONS OR OCCUPANCY SENSOR. CONNECT TO ONE SWITCHED LEG FOR DUAL LEVEL FIXTURES. RE: FIRE ALARM INTERFACE PANEL DTAIL. PROVIDE MACHINE PRINTED CLEAR TAPE LABEL AT BALLAST STATING "Fixture parallel fed through switch and alarm interface panel. Turn off at breaker for maintenance, fed from ###". WHERE ### REPRESENTS THE PANEL AND CIRCUIT FEEDING THE FIXTURE.

707 ALL CONDUIT, JUNCTION BOXES, AND DEVICES TO BE MOUNTED +50" ABOVE PIT FLOOR. ANY CONDUIT, JUNCTION BOXES, AND DEVICES MOUNTED BELOW +48" SHALL BE NEMA 4 RATED.



CONSTRUCTION
01-28-16



MUSGROVE
ENGINEERING, P.A.

234 S. Whisperwood Way
Boise, Idaho 83709
208.384.0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

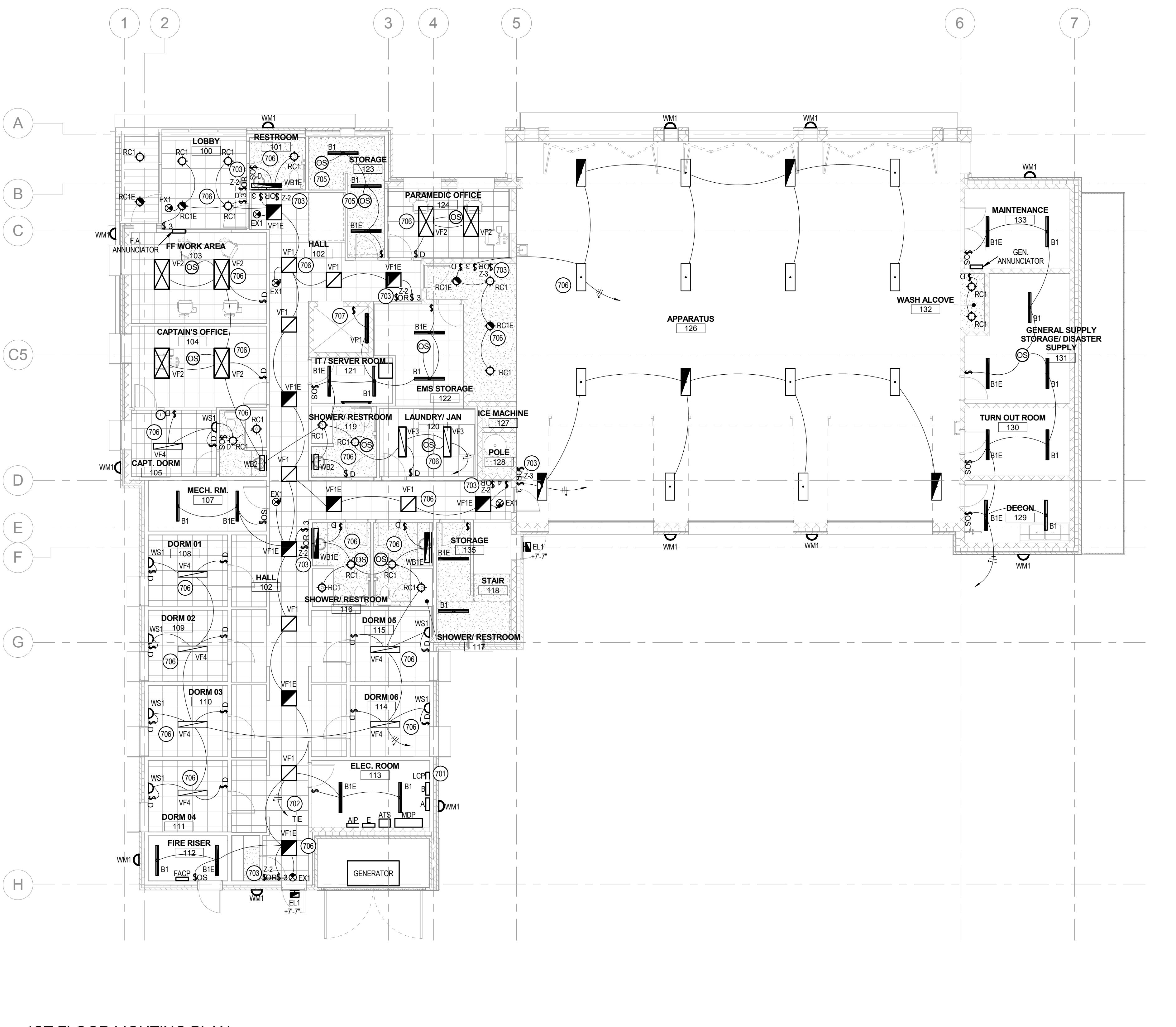
5575 W. Overland Rd. Boise, ID 83705

REVISIONS:		
MARK	DATE	DESCRIPTION
PROJECT PHASE		75% CD
PROJECT NUMBER		15-28
PROJECT MANAGER		J. Chatfield
PROJECT ARCHITECT		J. Chatfield
DESIGN		J. Chatfield

SHEET NAME:

1ST FLOOR LIGHTING PLAN

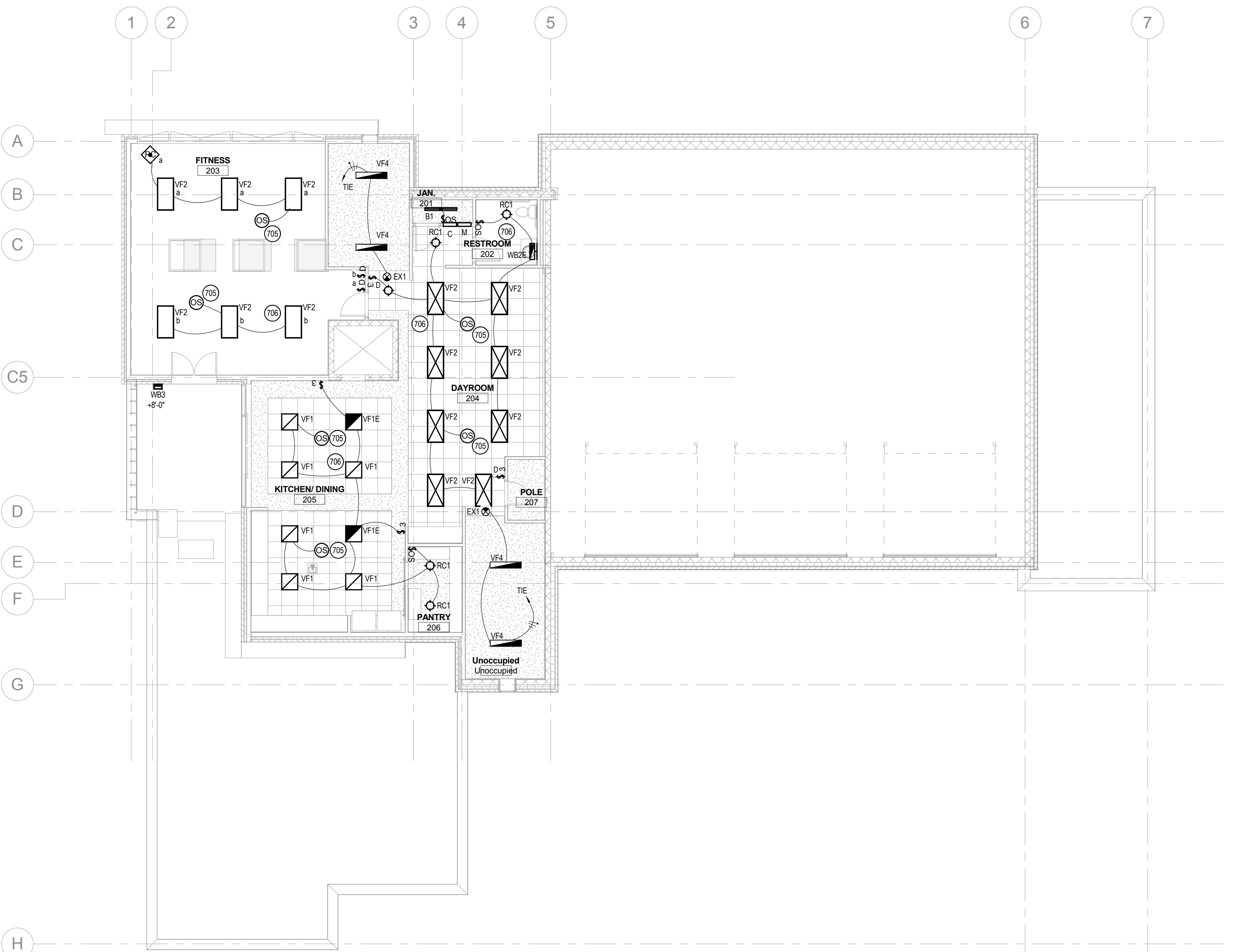
SHEET NUMBER:



1ST FLOOR LIGHTING PLAN

NORTH





2ND FLOOR LIGHTING PLAN
1/8" = 1'-0"

NORTH

GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE: THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. REFER TO ADN COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

KEYED NOTES

(○) SYMBOL USED FOR NOTE CALLOUT.

- 705 CONNECT SUCH THAT EITHER OCCUPANCY SENSOR WILL CONTROL THE LIGHTING IN THIS ROOM.
706 1/2" CONDUIT WITH #4# TO ALARM INTERFACE PANEL. ACTIVATION OF ALARM SHALL ILLUMINATE ALL LIGHTS ON ASSOCIATED CIRCUIT REGARDLESS OF SWITCH POSITION OR OCCUPANCY SENSOR. CONNECT TO ONE SWITCHED LEG FOR DUAL LEVEL FIXTURES. RE-FIRE ALARM INTERFACE PANEL DETAIL. PROVIDE MACHINE PRINTED CLEAR TAPE LABEL AT BALLAST STATING FIXTURE PARALLEL FED THROUGH SWITCH AND ALARM INTERFACE PANEL. TURN OFF AT BREAKER FOR MAINTENANCE, FED FROM ###. WHERE ### REPRESENTS THE PANEL AND CIRCUIT FEEDING THE FIXTURE.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning
TCA | 8311 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



NOT FOR CONSTRUCTION
01-28-16

CONSULTANT:



MUSGROVE
ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, Idaho 83709
208.354.0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE!
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28
PROJECT MANAGER J. Chatfield
PROJECT ARCHITECT J. Chatfield
DESIGN J. Chatfield
DRAWN BY RM/TM

SHEET NAME:

2ND FLOOR LIGHTING
PLAN

E204

01.04.16

GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE: THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. REFER TO ADN COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING PURED OUT WALLS AND EXISTING ACCESSORIES, IF ANY, USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- C. MECHANICAL EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.

KEYED NOTES

○ SYMBOL USED FOR NOTE CALLOUT.

- 1001 12" CONDUIT TO CORRESPONDING MECHANICAL UNIT. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTOR(S) WITH MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

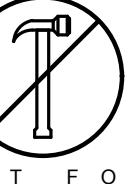
COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning
TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



CONSULTANT:



MUSGROVE
ENGINEERING, P.A.

234 S. Whisperwood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

PROJECT ARCHITECT J. Chatfield

DESIGN J. Chatfield

DRAWN BY RM/TM

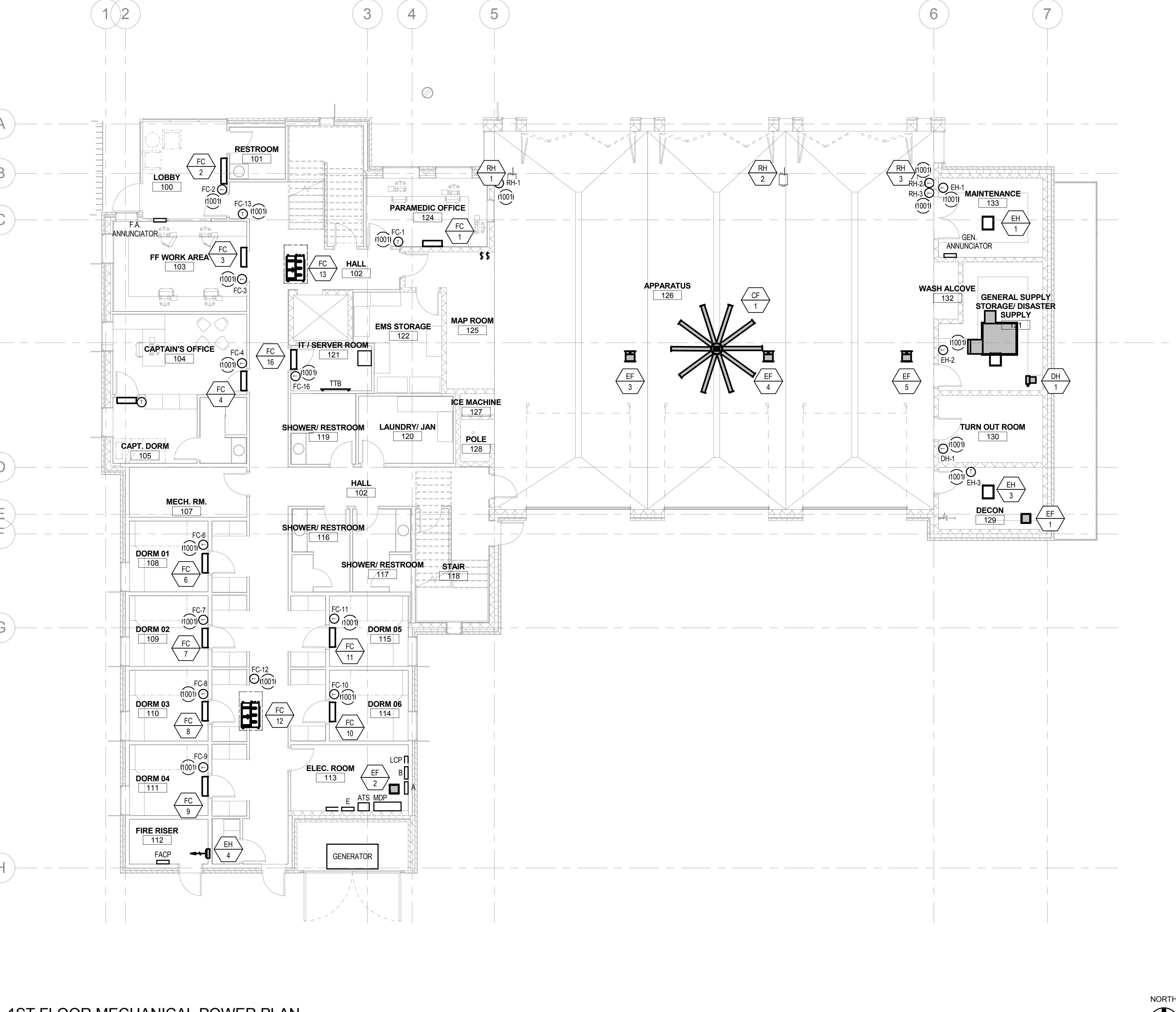
SHEET NAME:

1ST FLOOR
MECHANICAL POWER
PLAN

SHEET NUMBER:

E205

01.04.16



1ST FLOOR MECHANICAL POWER PLAN
1/8" = 1'-0"

NORTH

GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE: THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. REFER TO ADN COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING PURRED OUT WALLS AND EXISTING ACCESSORIES/LEDGES. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- C. MECHANICAL EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.

KEYED NOTES

SYMBOL USED FOR NOTE CALLOUT.

- 1001 12" CONDUIT TO CORRESPONDING MECHANICAL UNIT. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTOR(S) WITH MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



T C A
architecture • planning

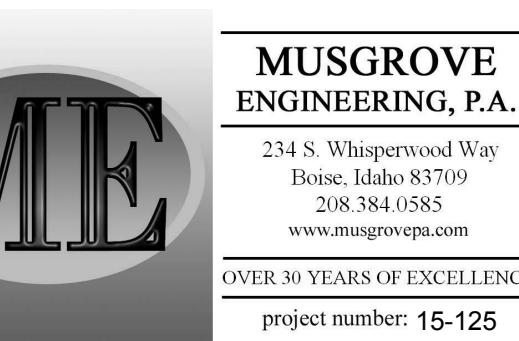
TCA | 8311 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:



NOT FOR CONSTRUCTION
01-28-16

CONSULTANT:



MUSGROVE
ENGINEERING, P.A.

234 S. Whisperwood Way
Boise, Idaho 83709
208 354 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

PROJECT ARCHITECT J. Chatfield

DESIGN J. Chatfield

DRAWN BY RM/TM

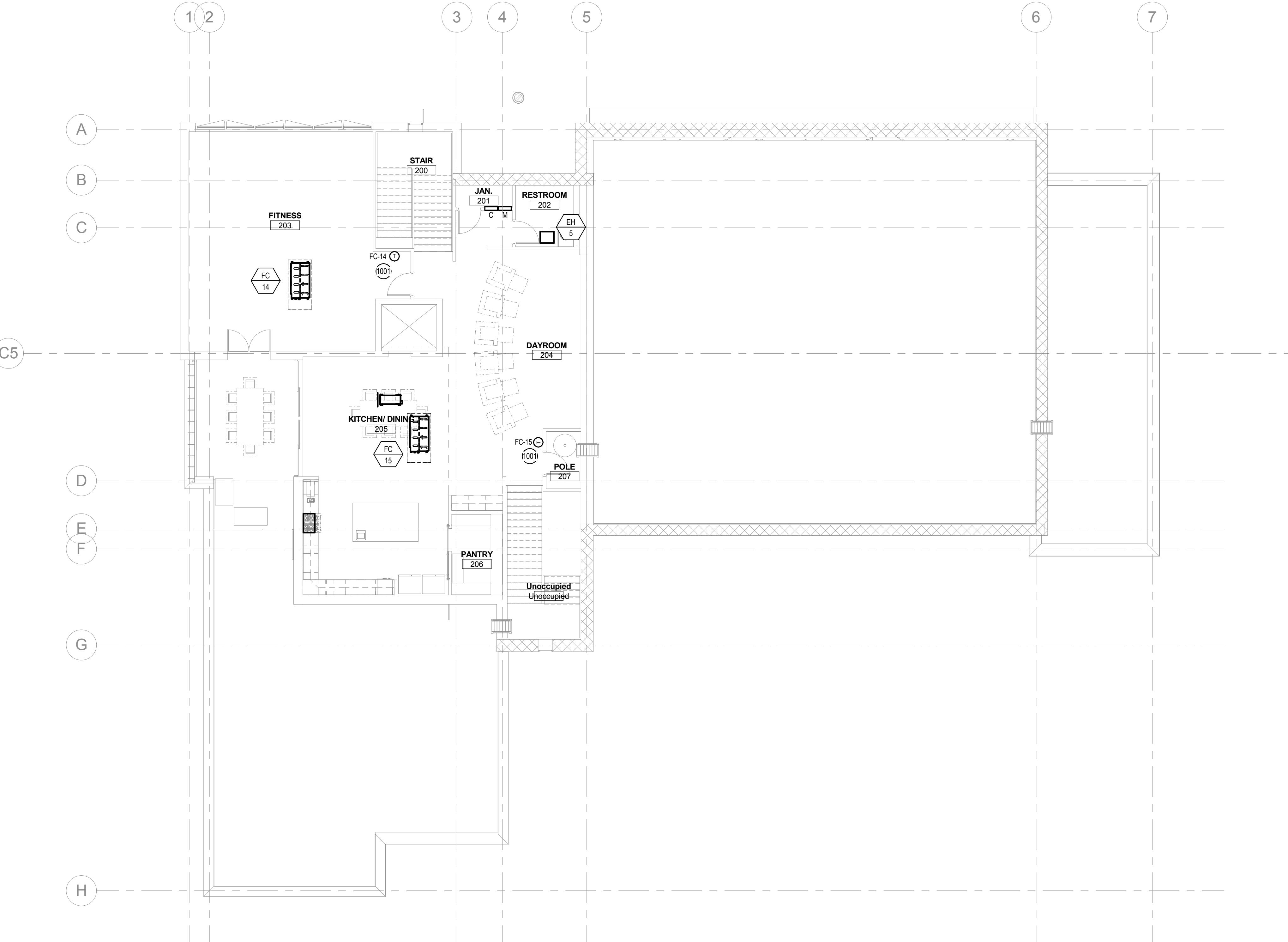
SHEET NAME:

2ND FLOOR
MECHANICAL POWER
PLAN

SHEET NUMBER:

E206

01.04.16



2ND FLOOR MECHANICAL POWER PLAN
1/8" = 1'-0"

NORTH

GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE: THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. REFER TO ADN COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- C. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.

KEYED NOTES

(○) SYMBOL USED FOR NOTE CALLOUT.

- 807 CEILING MOUNTED RECEPTACLE FOR OWNER PROVIDED TRUCK POWER CONNECTION.
 808 RECEPTACLE FOR CEILING MOUNTED PROJECTOR.
 809 CONNECTION FOR MOTORIZED SCREEN. COORDINATE CONTROL AND CONNECTION REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
 818 OWNER PROVIDED JUNCTION BOX FOR CONTROLS INTERFACE OF THE EXHAUST SYSTEM TO BE INSTALLED BY THE CONTRACTOR ON THE UNI-STRUT FRAME. REFER TO ARCHITECT'S PLANS FOR LOCATION AND ADDITIONAL INFORMATION. CONTRACTOR SHALL PROVIDE A JUNCTION BOX AT THE CEILING TO ROUTE ALL CIRCUITS THROUGH. ONE CIRCUIT TO BE LEFT IN THE CEILING JUNCTION BOX AND TWO CIRCUITS TO BE EXTENDED TO THE OWNER PROVIDED JUNCTION BOX. PROVIDE A 36" SERVICE LOOP IN THE CORRESPONDING JUNCTION BOX. COORDINATE WITH THE ARCHITECTURAL PLANS AND THE OWNER.
 820 JUNCTION BOX AT SWITCH HEIGHT FOR MOTORIZED SCREEN CONTROL. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
 821 CONDUIT AS INDICATED BETWEEN CONTROL JUNCTION BOXES FOR CONTROLS AND FUTURE USE.

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUIT 208

Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



NOTE FOR CONSTRUCTION
01-28-16

CONSULTANT:



MUSGROVE
ENGINEERING, P.A.

234 S. Whisperwood Way
Boise, Idaho 83709
208 354 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

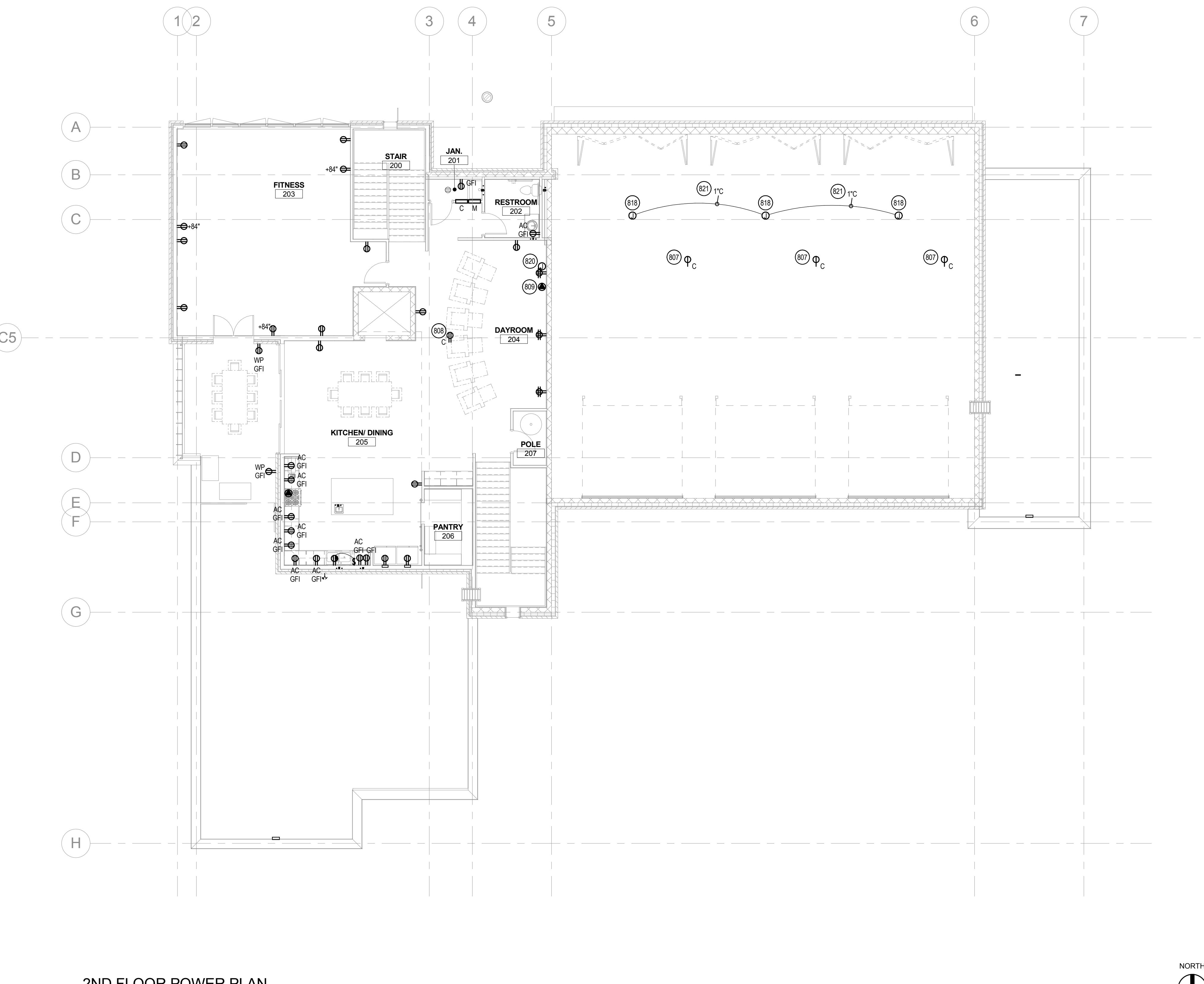
PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

2ND FLOOR POWER PLAN

E208

01.04.16



2ND FLOOR POWER PLAN
1/8" = 1'-0"

GENERAL NOTES

- A. INSTALL PULL-LINE IN ALL EMPTY CONDUITS FOR FUTURE CABLE PULL.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- C. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.
- D. TERMINATE ALL CONDUITS WITH INSULATED THROAT BUSHING.

KEYED NOTES

SYMBOL USED FOR NOTE CALLOUT.

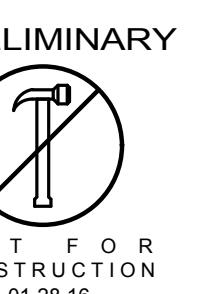
- 901 TELEPHONE TERMINAL BOARD, RE:XXX: PROVIDE 2 DEDICATED PHONE LINES TO FACP.
- 902 STUB 3/4" CONDUIT ABOVE ACCESSIBLE CEILING. TERMINATE WITH INSULATED THROAT BUSHING.
- 903 3/4" CONDUIT AND BOX AS REQUIRED TO PUBLIC ADDRESS SYSTEM INTERFACE JUNCTION BOX. RE:RADIO CABINET DETAIL.
- 904 OWNER FURNISHED. CONTRACTOR INSTALLED 120V CHIME. PROVIDE JUNCTION BOX MOUNTED 18" BELOW CEILING LINE WITH 1/2" CONDUIT AND CONDUCTORS AS REQUIRED TO ALARM INTERFACE PANEL. RE:ALARM INTERFACE PANEL DETAIL. CONTRACTOR TO MAKE ALL CONNECTIONS. COORDINATE INSTALLATION WITH THE OWNER.
- 905 JUNCTION BOX FOR TRAFFIC SIGNAL CONTROL. RE:ELECTRICAL SITE PLAN FOR JUNCTION BOX REQUIREMENTS AND ALARM INTERFACE PANEL DETAIL. FOR WIRING DIAGRAM.
- 906 3/4" CONDUIT TO RADIO CABINET FOR CONNECTION OF TRAFFIC SIGNAL CONTROL. COORDINATE WITH TRAFFIC SIGNAL CONTRACTOR. RE:RADIO CABINET DETAIL.
- 907 PROVIDE RED, 22MM, MOMENTARY PUSH BUTTON AND A GREEN, 16MM, MOMENTARY PUSH BUTTON IN A SINGLE GANG PLATE MOUNTED AT SWITCH HEIGHT. THE RED BUTTON SHALL BE LABELED AS "TRAFFIC SIGNAL" AND THE GREEN BUTTON SHALL BE LABELED AS "TRAFFIC SIGNAL RESET". LOCATE THE GREEN BUTTON ON TOP. PROVIDE CABLING AS REQUIRED TO CONNECT EACH PUSH BUTTON TO THE TRAFFIC SIGNAL CONTROL BOX LOCATED IN THE SITE. COORDINATE WITH CIVIL/SIGNAL PLANS FOR LOCATION OF TRAFFIC SIGNAL CONTROL AND CONNECTION REQUIREMENTS.
- 908 12"X12"X4" DEEP FLUSH MOUNTED JUNCTION BOX. RE:RADIO CABINET DETAIL.
- 909 2" CONDUIT STUBBED 12' AFF T/TB. RE:TELEPHONE TERMINAL BOARD DETAIL, GROUNDING BAR DETAIL. RE:RADIO CABINET DETAIL & ALARM INTERFACE PANEL.
- 910 10"X10"X4" DEEP FLUSH MOUNTED JUNCTION BOX FOR PUBLIC ADDRESS SYSTEM INTERFACE. RE:RADIO CABINET DETAIL.
- 911 12"X12"X4" DEEP ALARM INTERFACE JUNCTION BOX FOR ALARM SYSTEM INTERFACE. RE:RADIO CABINET DETAIL.
- 912 MOMENTARY PUSH BUTTONS MOUNTED ON WALL AT SWITCH HEIGHT. RE:RADIO CABINET DETAIL.
- 913 JUNCTION BOX AND 1/2" CONDUIT(S) FOR OWNER PROVIDED CARD READER. PROVIDE AND INSTALL 1/2" CONDUIT(S) FROM DOOR MULLION TO THE JUNCTION BOX(S) AS SHOWN ON PLAN FOR OWNER PROVIDED SECURITY SYSTEM. RE:SINGLE DOOR CARD ACCESS DETAIL.
- 914 FLUSH MOUNTED JUNCTION BOX WITH 1/2" CONDUIT AND 2414 TO RADIO CABINET FOR DOOR BELL CONNECTION. CONTRACTOR TO PROVIDE RECESSED, LOW PROFILE, MOMENTARY PUSH BUTTON AND CONNECT TO THE PA SYSTEM. UTILIZE LAMB INDUSTRIES PV3 SERIES OR EQUAL PUSH BUTTON.
- 915 PROVIDE JUNCTION BOX LOCATED ABOVE ACCESSIBLE CEILING FOR OWNER PROVIDED SECURITY SYSTEM.
- 916 JUNCTION BOX LOCATED ABOVE ACCESSIBLE CEILING OR FLUSH MOUNTED 24" ABOVE TOP OF DOOR WITH 1/2" CONDUIT TO DOOR MULLION AND 1/2" CONDUIT TO CARD READER JUNCTION BOX FOR OWNER PROVIDED SECURITY SYSTEM. RE:SINGLE DOOR CARD ACCESS DETAIL.
- 917 APPROXIMATE LOCATION OF OWNER PROVIDED AND INSTALLED DATA RACK. FIELD VERIFY LOCATION.
- 918 FLUSH MOUNTED EMERGENCY PHONE. PROVIDE 3/4" CONDUIT WITH (1)CAT5E CABLE TO TTB.
- 919 2" CONDUIT AT BOTTOM OF STRUCTURE FROM TELE/SERVER TO OTHER SIDE OF APPARATUS.
- 920 (4)2" CONDUIT CHASES FROM 1ST FLOOR CEILING TO 2ND FLOOR CEILING SPACE.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800



architecture • planning
TCA | 811 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

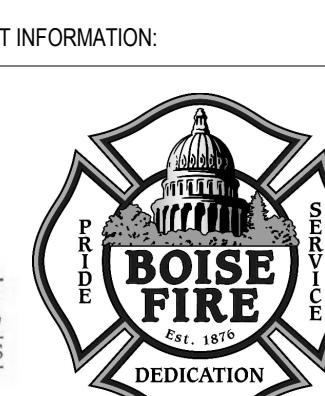
STAMP:



CONSULTANT:



MUSGROVE
ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, Idaho 83709
208 354 0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE
project number: 15-125



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

PROJECT ARCHITECT J. Chatfield

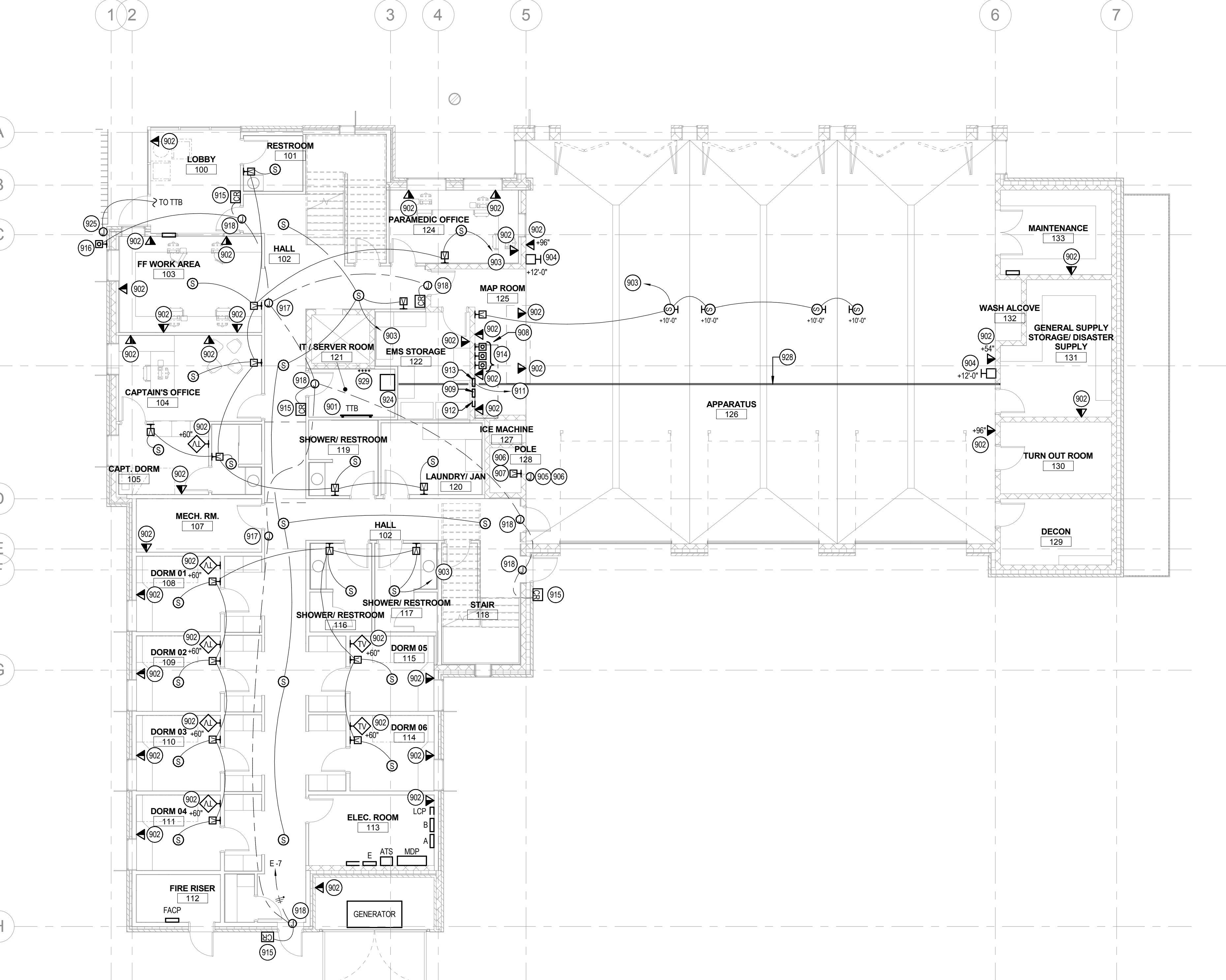
DESIGN J. Chatfield

DRAWN BY RM/MT

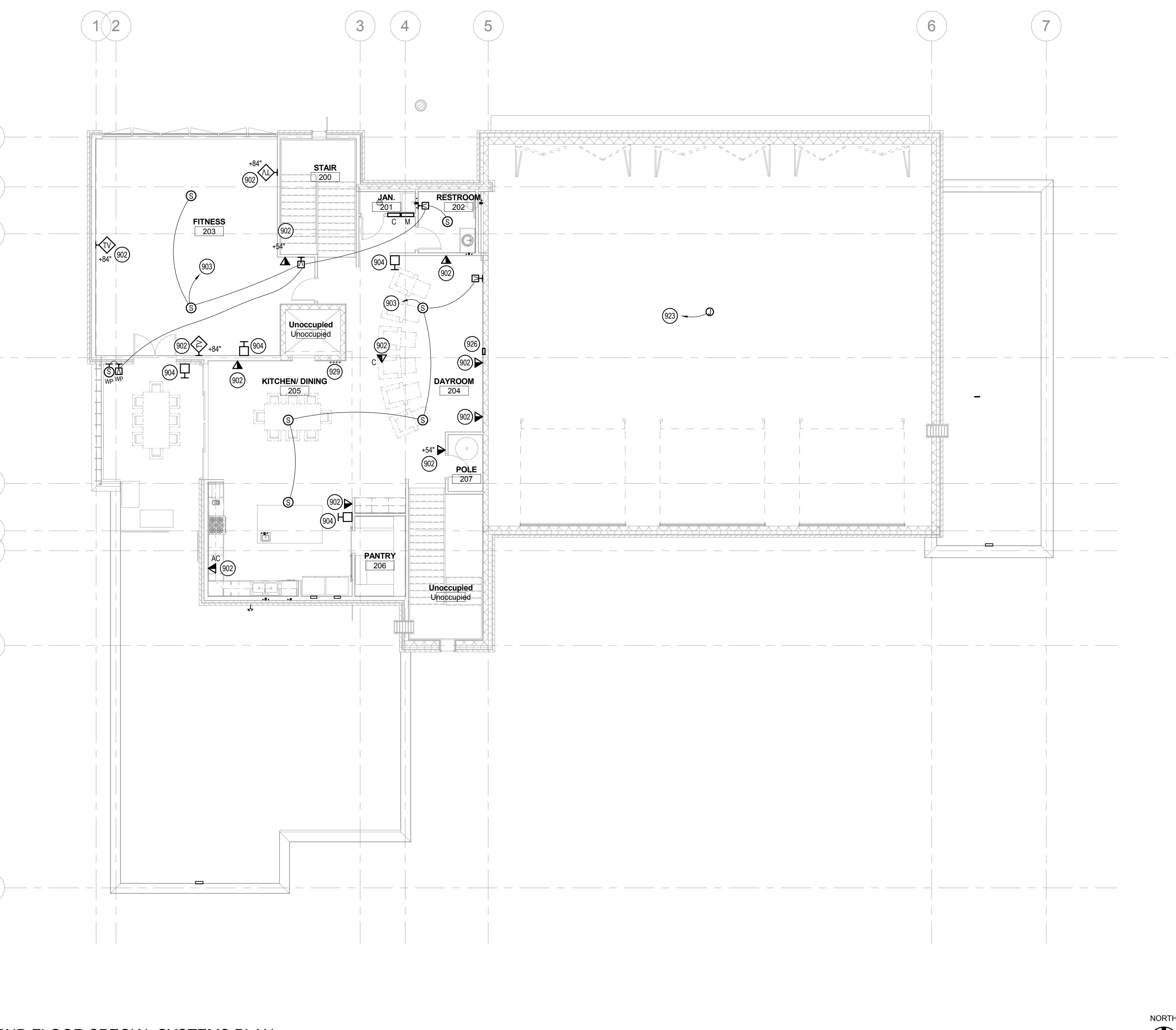
SHEET NAME:

1ST FLOOR SPECIAL SYSTEMS PLAN

E209



1ST FLOOR SPECIAL SYSTEMS PLAN
1/8" = 1'-0"



2ND FLOOR SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

GENERAL NOTES

- A. INSTALL PULL-LINE IN ALL EMPTY CONDUITS FOR FUTURE CABLE PULL.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- C. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.
- D. TERMINATE ALL CONDUITS WITH INSULATED THROAT BUSHING.

KEYED NOTES

(○) SYMBOL USED FOR NOTE CALLOUT.

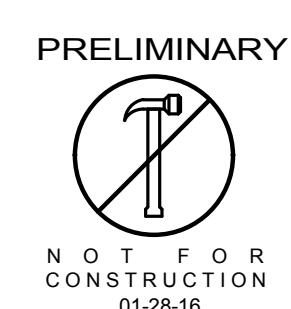
- 902 STUB 3/4" CONDUIT ABOVE ACCESSIBLE CEILING. TERMINATE WITH INSULATED THROAT BUSHING. 3/4" CONDUIT AND CABLING AS REQUIRED TO PUBLIC ADDRESS SYSTEM INTERFACE JUNCTION BOX. RE-RADIO CABINET DETAIL.
- 904 OWNER FURNISHED. CONTRACTOR INSTALLED 120V CHIME. PROVIDE JUNCTION BOX MOUNTED 18" BELOW CEILING LIO WITH 1/2" CONDUIT AND CONDUCTORS AS REQUIRED TO ALARM INTERFACE PANEL. RE-ALARM INTERFACE PANEL DETAIL. CONTRACTOR TO MAKE ALL CONNECTIONS. COORDINATE INSTALLATION WITH THE OWNER.
- 923 (2) 1/2" RIGID CONDUITS WITH WEATHER HEADS FOR ANTENNA ARRAY STRUCTURE. RE-ARCHITECT PLANS FOR MOUNTING REQUIREMENTS. ROUTE THE CONDUIT FROM THE ANTENNA ARRAY STRUCTURE TO THE RADIO CABINET JUNCTION BOX. RE-RADIO CABINET DETAIL. ROUTE CONDUIT VIA THE ATTIC SPACE DOWN THE 2ND FLOOR WALL ADJACENT TO THE AIR COMPRESSOR. TRANSITION TO THE CEILING SPACE ABOVE THE MAPPING AREA THEN DOWN THE FURRED WALL. PROVIDE ACCESSIBLE PULL-BOXES AS REQUIRED. CONTRACTOR SHALL INSTALL OWNER PROVIDED COAX. COORDINATE WITH OWNER PRIOR TO ROUGH-IN.
- 926 FLUSH MOUNTED 10"X10"X4" DEEP AV JUNCTION BOX WITH COVER LOCATED IN MILLWORK. PROVIDE (2) 1/2" CONDUITS TO ACCESSIBLE CEILING. TERMINATE WITH INSULATED THROAT BUSHINGS. COORDINATE THE INSTALLATION WITH THE MILLWORK.
- 929 (4) 1/2" CONDUIT CHASES FROM 1ST FLOOR CEILING TO 2ND FLOOR CEILING SPACE.

COLE ARCHITECTS
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-3820



architecture • planning
TCA | 8311 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:



CONSULTANT:



MUSGROVE
ENGINEERING, P.A.
234 N. Whisperwood Way
Boise, Idaho 83709
208.334.0585
www.musgrovepa.com
OVER 30 YEARS OF EXCELLENCE
project number: 15-125



City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

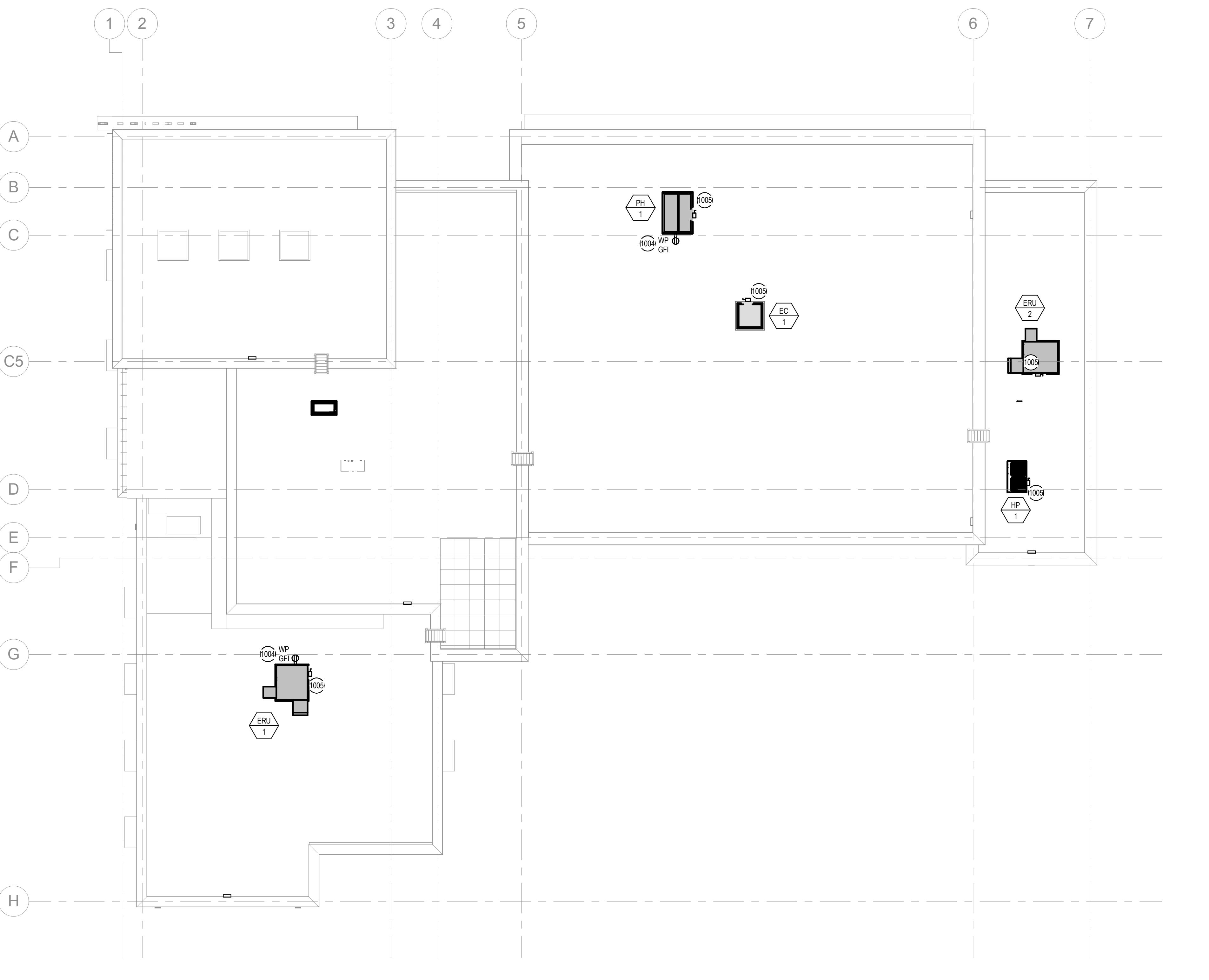
PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

2ND FLOOR SPECIAL SYSTEMS PLAN

SHEET NUMBER:

E210

**GENERAL NOTES**

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE: THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING CONTRACTORS PRIOR TO ROUGH-IN. REFER TO ADN COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS. EXISTING PURRED OUT WALLS AND EXISTING ACCESSORIES/LEDGES. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED, UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- C. MECHANICAL EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.

KEYED NOTES

- (○) SYMBOL USED FOR NOTE CALLOUT.
- 1004 MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE.
- 1005 FIELD COORDINATE DISCONNECT AND CONDENSER LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUIT 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3820

STAMP:



CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisperwood Way
Boise, Idaho 83709
208 354 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:


City of Boise Fire Station 8
 3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

**ELECTRICAL ROOF
PLAN**

D SHEET NUMBER:

E300

01.04.16

3



2

1

5

4

3

2

1

0

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:



CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisewood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:

City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

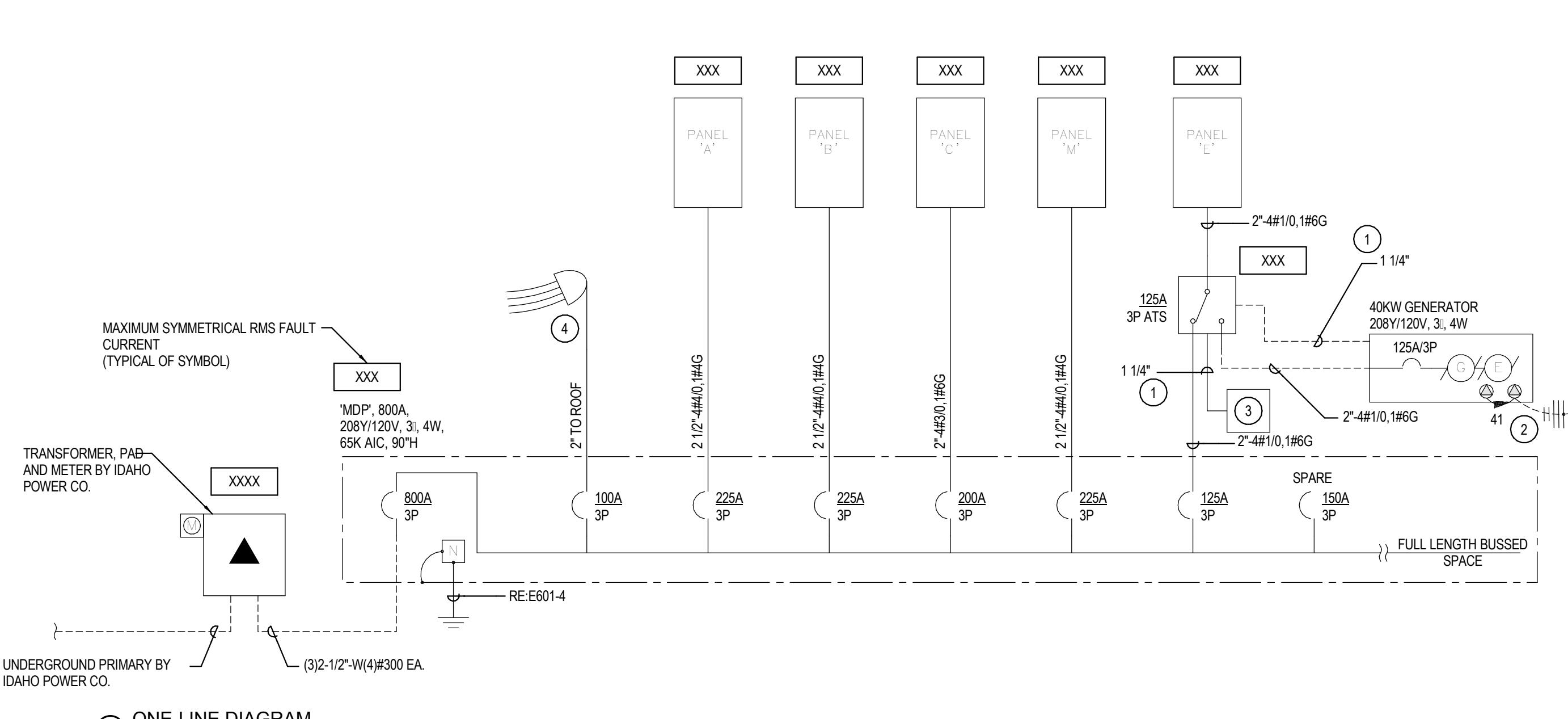
PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

ONE-LINE
DIAGRAM/ELECTRICAL
SCHEDULES

E400

SHEET NUMBER:	01.04.16
---------------	----------

① ONE-LINE DIAGRAM
NTS

ONE-LINE DIAGRAM GENERAL NOTES:

- A. CONDUIT, CONDUCTORS AND AIC CALCULATIONS FOR ALL SERVICE, PANEL AND EQUIPMENT FEEDERS INDICATED ON THE ONE-LINE HAVE BEEN SIZED BASED ON COPPER. THE CONTRACTOR MAY USE COMPRESSED ALUMINUM CONDUCTORS FOR THESE FEEDERS PROVIDING THE CONDUIT, CONDUCTOR SIZES AND AIC CALCULATIONS ARE ADJUSTED AS REQUIRED TO MEET ALL NATIONAL ELECTRICAL CODE REQUIREMENTS.
- B. FURNISH AND INSTALL ENGRAVED LABEL ON THE FRONT OF THE MAIN SERVICE EQUIPMENT NOTING THE AVAILABLE FAULT CURRENT VALUE SHOWN.

ONE-LINE DIAGRAM KEYED NOTES:

- ① SYMBOL USED FOR NOTE CALLOUT.

1. CABLING AS REQUIRED.
2. CONNECTIONS FOR GENERATOR BATTERY CHARGER AND HEATER.
3. GENERATOR ANNUNCIATOR PANEL RE-E-103
4. CONDUIT AS INDICATED TO ROOF. PROVIDE WEATHER HEAD AND STUB 18" ABOVE THE ROOF.

E-39.41

41

2

1

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

COLE ARCHITECTS

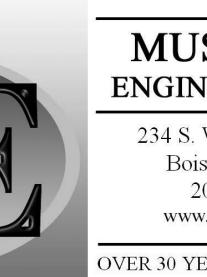
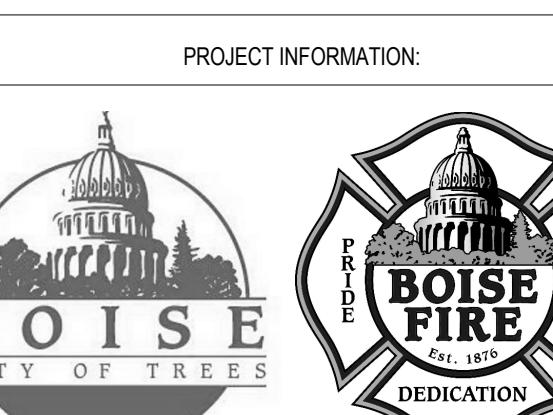
COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800T C A
architecture • planningTCA | 821 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY

NOT FOR CONSTRUCTION
01-28-16

CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 N. Whisperwood Way
Boise, Idaho 83709
208.384.0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28

PROJECT MANAGER J. Chatfield

PROJECT ARCHITECT J. Chatfield

DESIGN J. Chatfield

DRAWN BY RM/TM

SHEET NAME:

ELECTRICAL
SCHEDULES

D

SHEET NUMBER:

E401

01.04.16

Branch Panel: A

Location: Space 21
Supply From:
Mounting: Surface
Enclosure: Type 1Volts: 120/208 Wye
Phases: 3
Wires: 4A.I.C. Rating:
Mains Type:
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42

Total Load: 0 VA 0 VA 0 VA

Total Amps: 0 A 0 A 0 A

Legend:

Branch Panel: B

Location: Space 21
Supply From:
Mounting: Surface
Enclosure: Type 1Volts: 120/208 Wye
Phases: 3
Wires: 4A.I.C. Rating:
Mains Type:
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42

Total Load: 0 VA 0 VA 0 VA

Total Amps: 0 A 0 A 0 A

Legend:

Branch Panel: E

Location: Space 21
Supply From:
Mounting: Surface
Enclosure: Type 1Volts: 120/208 Wye
Phases: 3
Wires: 4A.I.C. Rating:
Mains Type:
Mains Rating: 125 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	OVERHEAD DOORS	20 A	1	696 VA	696 VA		1	20 A	OVERHEAD DOORS	2
3	OVERHEAD DOORS	20 A	1	696 VA	696 VA		1	20 A	OVERHEAD DOORS	4
5	OVERHEAD DOORS	20 A	1		696 VA	696 VA	1	20 A	OVERHEAD DOORS	6
7	DOOR ACCESS CONTROL	20 A	1	480 VA			1	20 A	FACP	8
9	FIRE ALARM BELL	20 A	1		180 VA	0 VA	1	20 A		10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42

Total Load: 1872 VA 1572 VA 1392 VA

Total Amps: 16 A 13 A 12 A

Legend:

Switchboard: MDP

Location: Space 21
Supply From:
Mounting:Volts: 120/208 Wye
Phases: 3
Wires: 4A.I.C. Rating:
Mains Type: BREAKER
Mains Rating:
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	</td					

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

T C A

architecture • planning

TCA | 8311 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisewood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

C REVISIONS:

MARK	DATE	DESCRIPTION

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

ELECTRICAL
SCHEDULES

D SHEET NUMBER:

E402

01.04.16

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUIT 208
Boise, ID 83702 | (208) 345-1800

architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



CONSULTANT:

MUSGROVE
ENGINEERING.234 N. Whisewood Way
Boise, Idaho 83709
208 354 0585
www.musgrovepa.comOVER 30 YEARS OF EXCELLENCE
project number: 15-125

PROJECT INFORMATION:

City of Boise Fire Station 8
3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK	DATE	DESCRIPTION

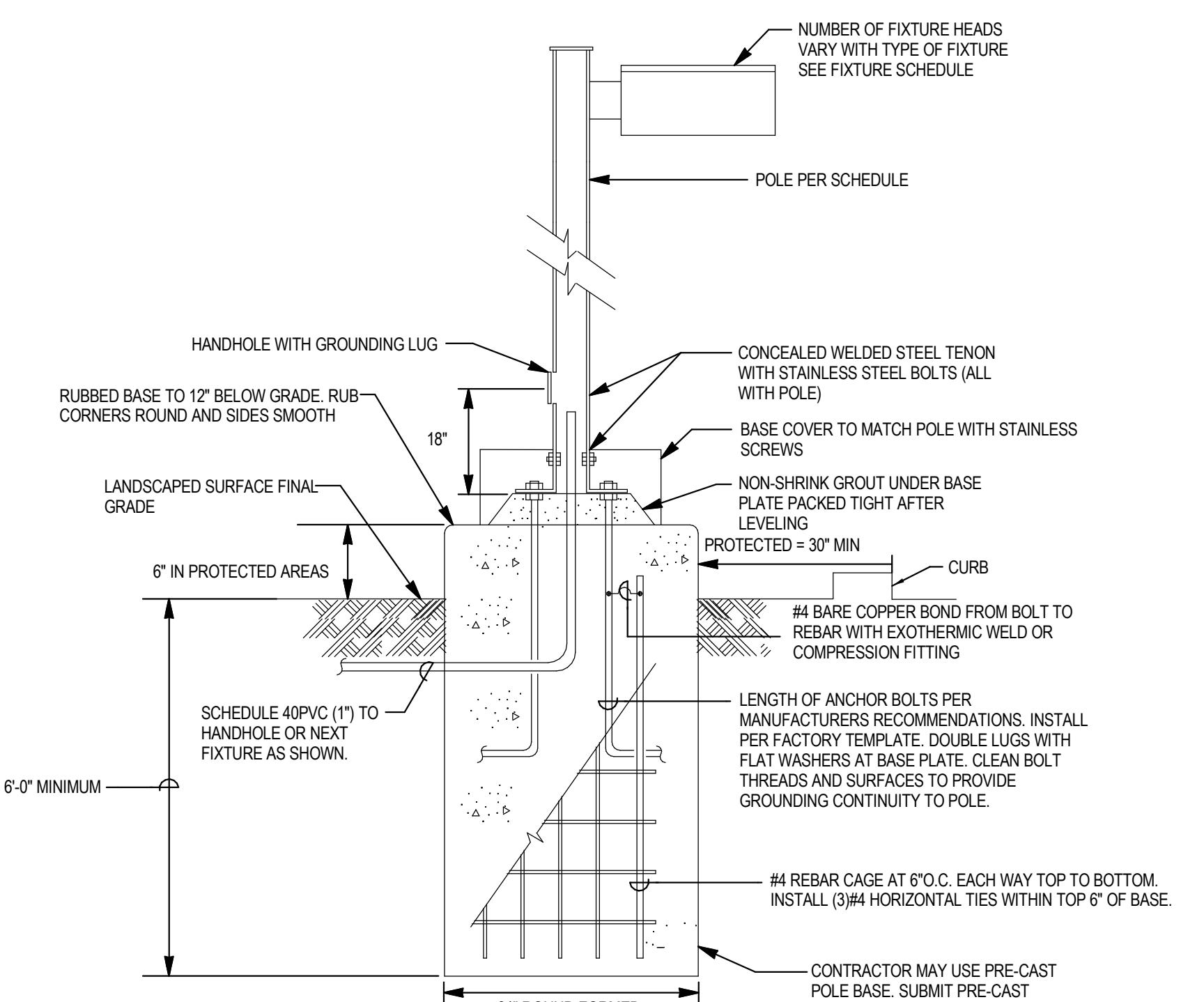
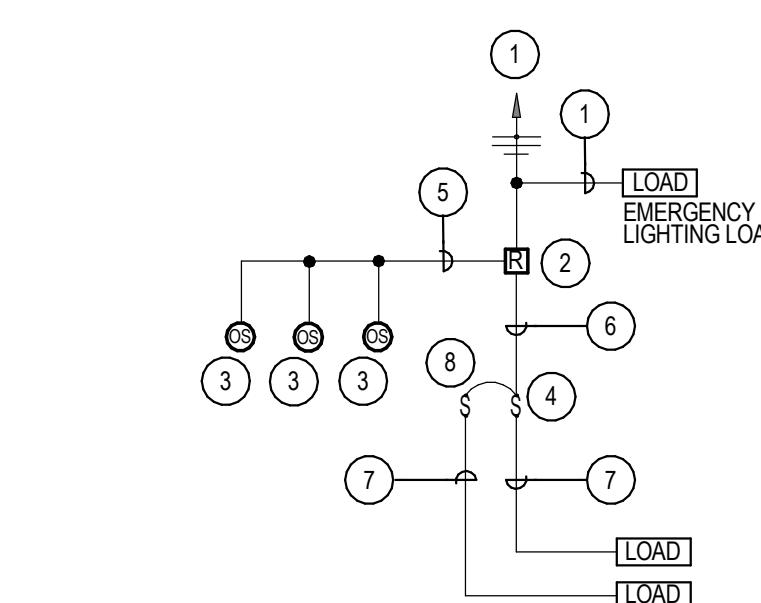
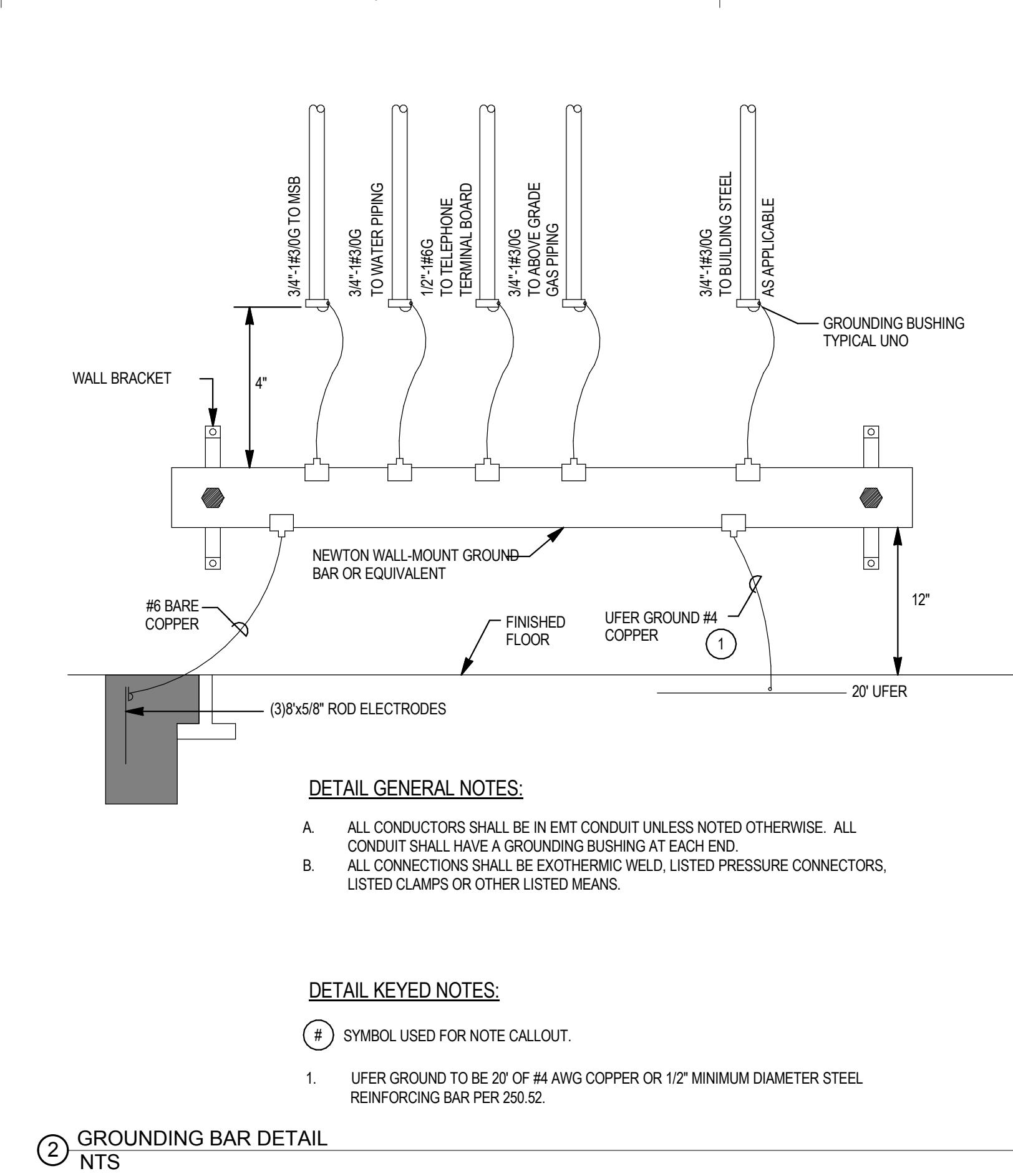
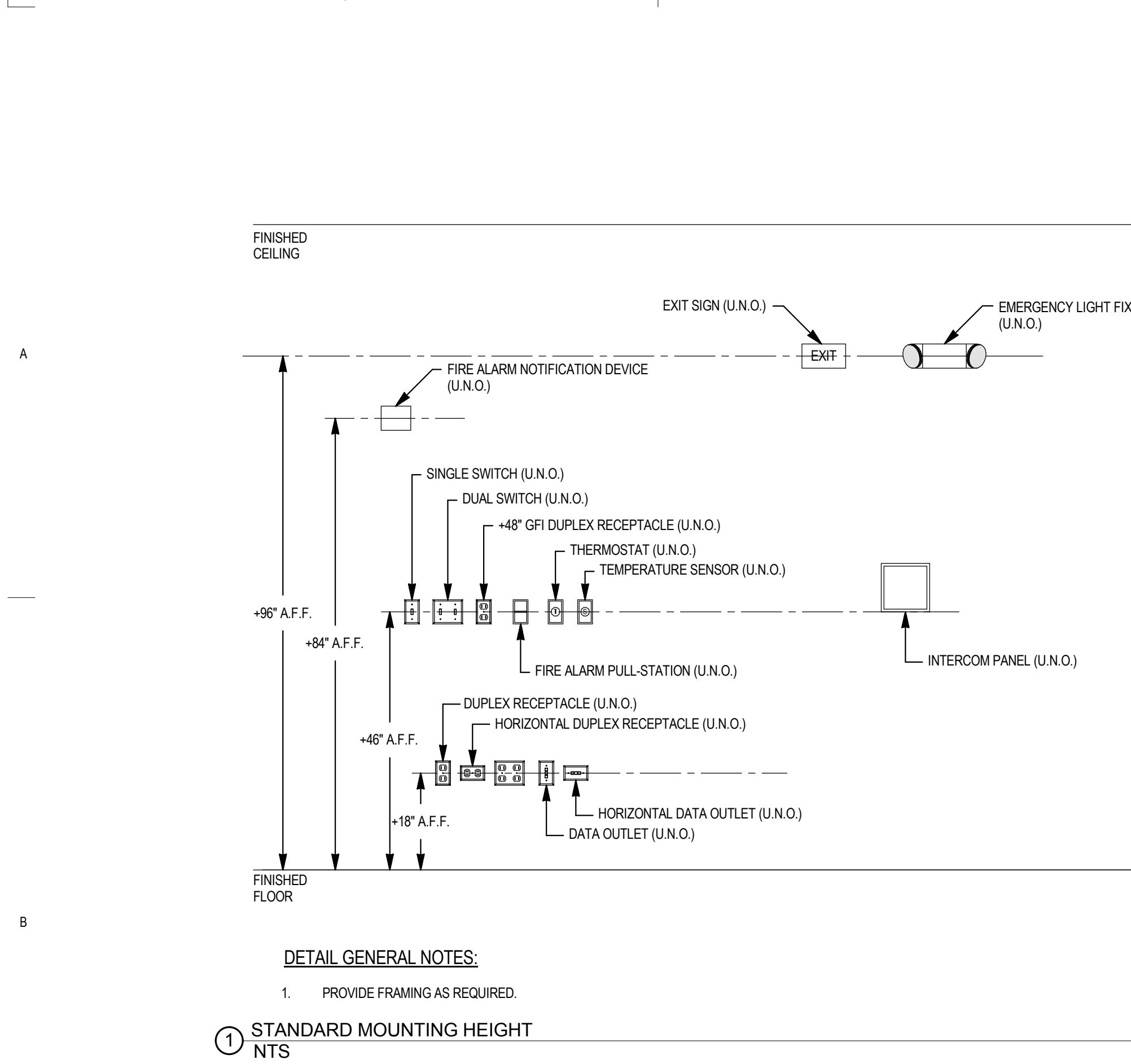
PROJECT PHASE 75% CD

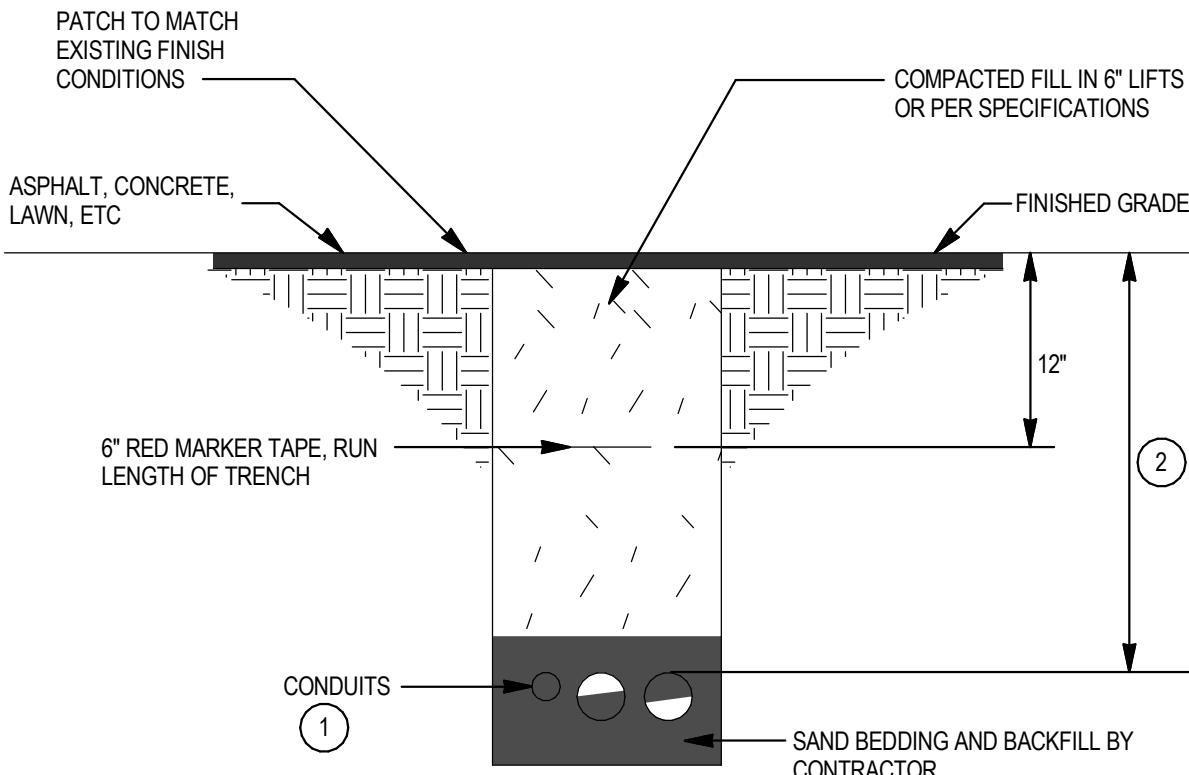
PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

ELECTRICAL DETAILS

E500

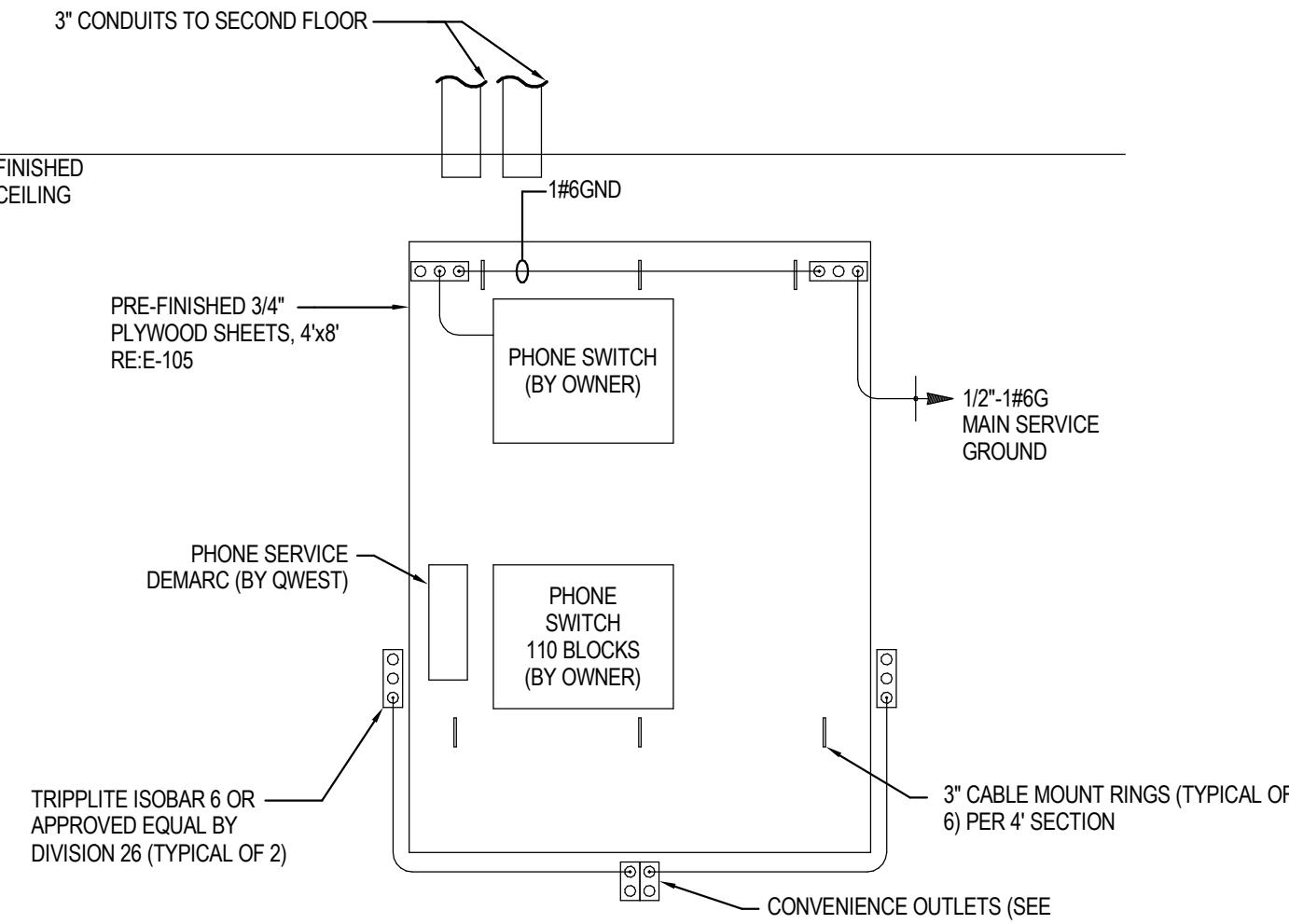




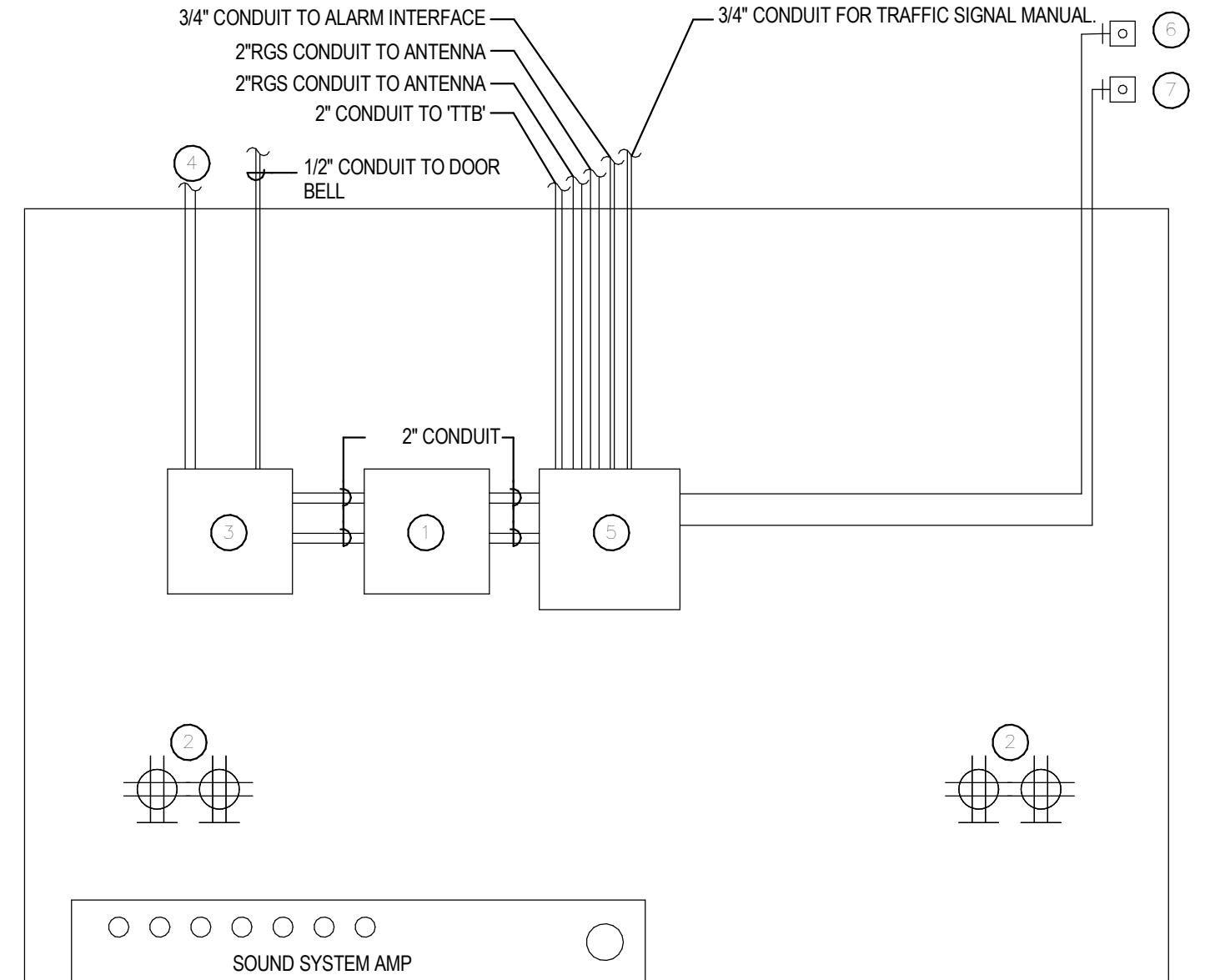
DETAIL KEYED NOTES:

- (1) SYMBOL USED FOR NOTE CALLOUT.
 1. IF MULTIPLE CONDUITS SHARE TRENCH, PROVIDE SPACING BETWEEN CONDUITS.
 PROVIDE ZIP TIES, AND TIE ALL CONDUITS TOGETHER TO ENSURE STABILITY.
 2. BURIAL DEPTH TO BE VERIFIED WITH UTILITIES AND AUTHORITY HAVING
 JURISDICTION: ELECTRICAL FEEDERS: COMMUNICATIONS: 24'' MINIMUM
 UNDERGROUND SECONDARY: 30'' MINIMUM
 UNDERGROUND PRIMARY: 42'' MINIMUM

① TRENCHING DETAIL
NTS



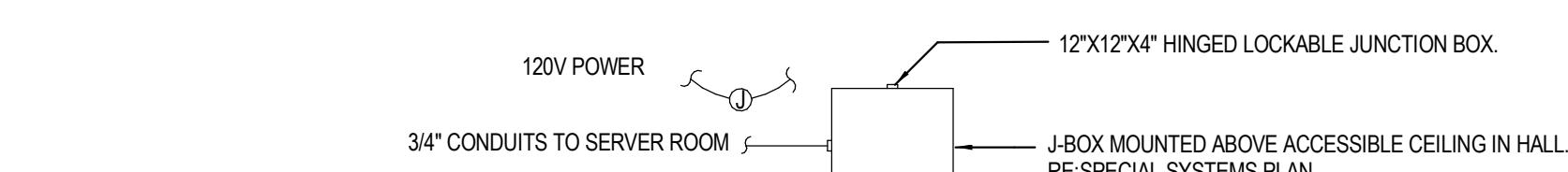
② TELEPHONE TERMINAL BOARD DETAIL
NTS



RADIO CABINET DETAIL KEYED NOTES:

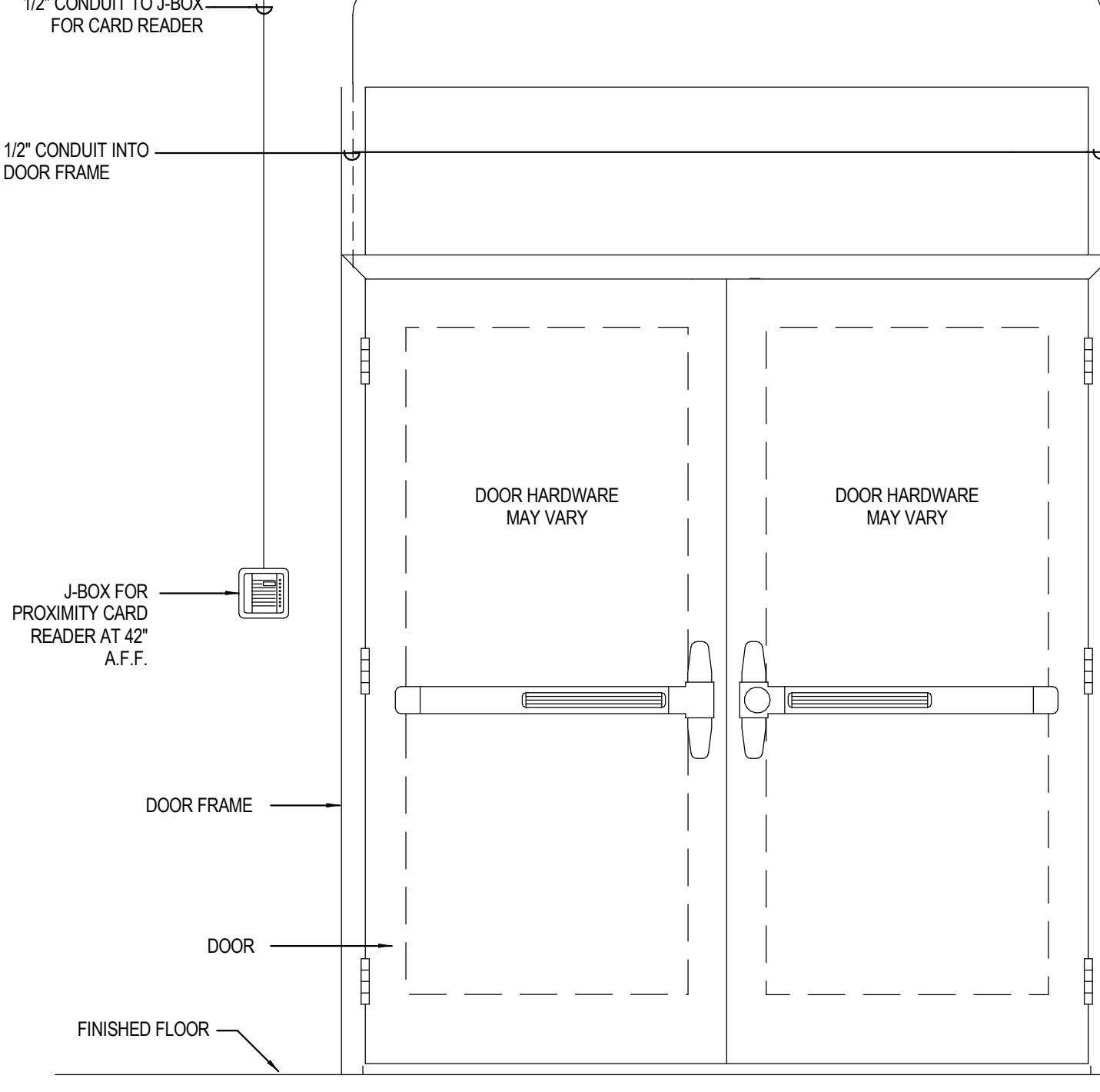
1. RECESSED JUNCTION BOX WITH COVER. RE:E-105.
2. DUPLEX RECEPTACLES MOUNTED INSIDE CABINET. RE:E-103.
3. RECESSED JUNCTION BOX FOR PUBLIC ADDRESS INTERFACE. RE:E-105.
4. 3/4" CONDUITS TO SPEAKERS/VOLUME CONTROLS AS REQUIRED. RE:E-105.
5. RECESSED JUNCTION BOX FOR ALARM INTERFACE. RE:E-105.
6. PROVIDE BLACK SQUARE D # 9001KR1RH13 MOMENTARY PUSH BUTTON WITH (1)N.O. AND (1)N.C. CONTACTS FOR ALARM RESET WITH 1/2" CONDUIT AND 2#14 TO ALARM INTERFACE JUNCTION BOX. LABEL AS "ALARM RESET".
7. PROVIDE RED SQUARE D # 9001KR1RH13 MOMENTARY PUSH BUTTON WITH (1)N.O. AND (1)N.C. CONTACTS FOR ALARM TEST WITH 1/2" CONDUIT AND 2#14 TO ALARM INTERFACE JUNCTION BOX. LABEL AS "ALARM TEST".

③ RADIO CABINET DETAIL
NTS

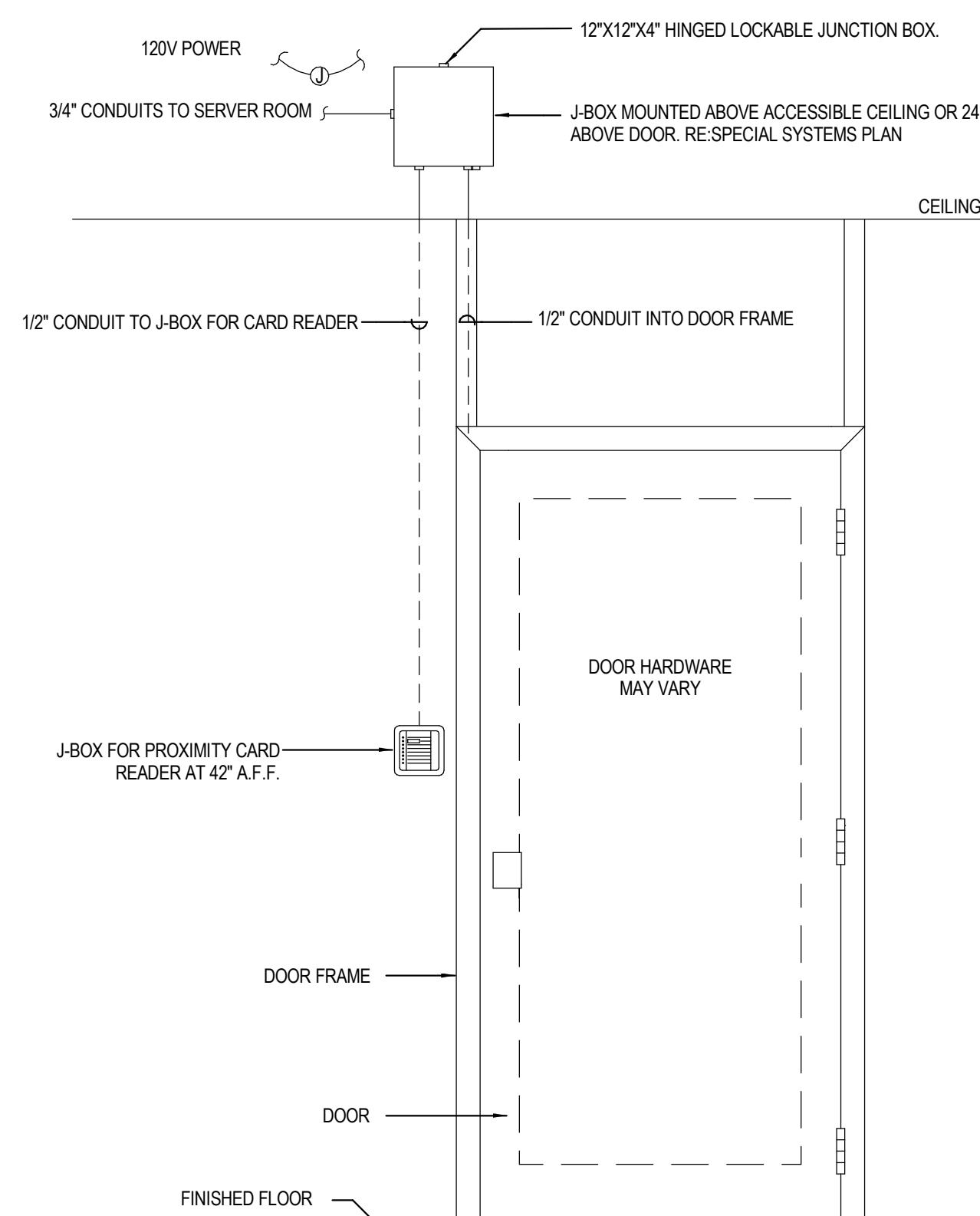


GENERAL NOTES:

- A. ALL SECURITY CABLING SHALL BE ROUTED IN RACEWAYS.



④ MAIN ENTRANCE CARD ACCESS
NTS



⑤ SINGLE DOOR ENTRANCE CARD ACCESS
NTS

ARCHITECT:

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208
Boise, ID 83702 | (208) 345-1800

TCA

architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



CONSULTANT:



MUSGROVE

ENGINEERING, P.A.

234 S. Whisewood Way

Boise, Idaho 83709

208 354 0585

www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE

project number: 15-125



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

REVISIONS:

MARK

DATE

DESCRIPTION

PROJECT PHASE 75% CD

PROJECT NUMBER 15-28
 PROJECT MANAGER J. Chatfield
 PROJECT ARCHITECT J. Chatfield
 DESIGN J. Chatfield
 DRAWN BY RM/TM

SHEET NAME:

ELECTRICAL DETAILS

SHEET NUMBER:

E501

01.04.16

COLE ARCHITECTS

COLE ARCHITECTS | 802 W. BANNOCK SUITE 208

Boise, ID 83702 | (208) 345-1800



architecture • planning

TCA | 8211 Roosevelt Way NE
Seattle, WA 98115 | (206) 522-3520

STAMP:

PRELIMINARY



NOT FOR CONSTRUCTION

01-28-16

CONSULTANT:

MUSGROVE
ENGINEERING, P.A.234 S. Whisewood Way
Boise, Idaho 83709
208 334 0585
www.musgrovepa.com

OVER 30 YEARS OF EXCELLENCE

project number: 15-125

PROJECT INFORMATION:



City of Boise Fire Station 8

3575 W. Overland Rd. Boise, ID 83705

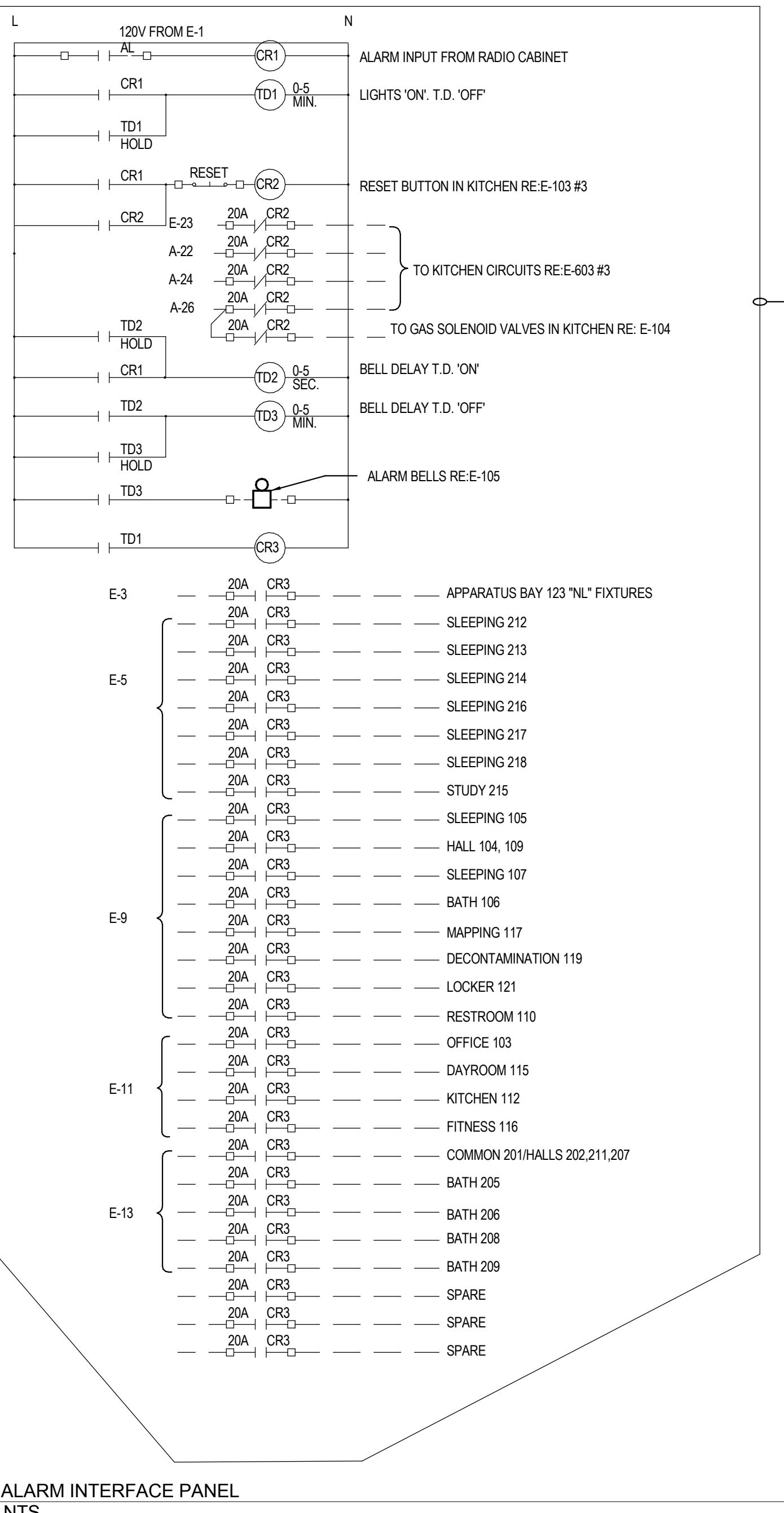
REVISIONS:

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT PHASE	75% CD
PROJECT NUMBER	15-28
PROJECT MANAGER	J. Chatfield
PROJECT ARCHITECT	J. Chatfield
DESIGN	J. Chatfield
DRAWN BY	RM/TM

SHEET NAME:

ELECTRICAL DETAILS	0
SHEET NUMBER:	
	E502
01.04.16	



A

B

C

D

(1) ALARM INTERFACE PANEL
NTS