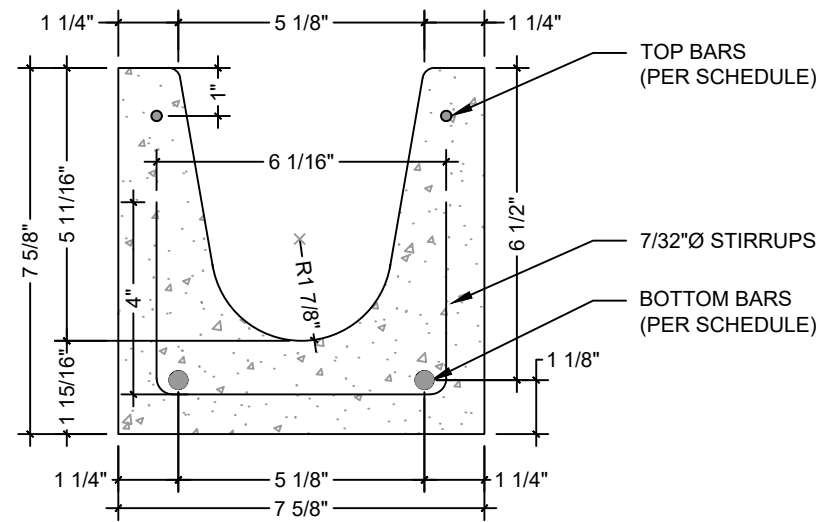


TITAN FLORIDA LLC

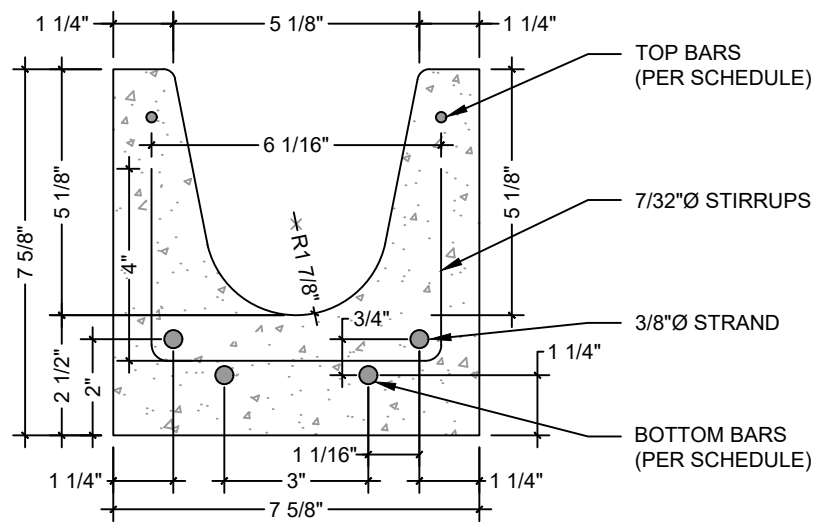
8" LINTEL FABRICATION DETAILS



A
1

8" PRECAST LINTEL

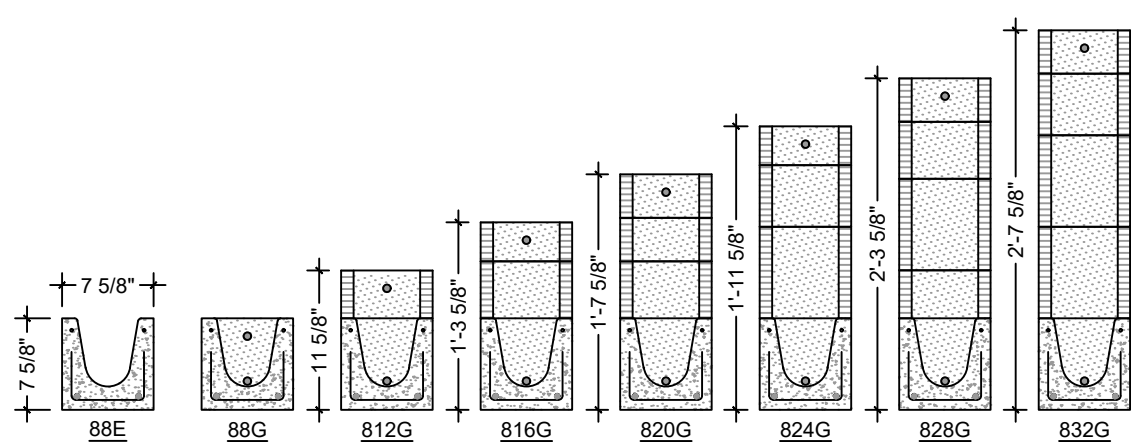
SCALE: 3"=1'-0" DETAIL



B
1

8" PRESTRESSED LINTEL

SCALE: 3"=1'-0" DETAIL

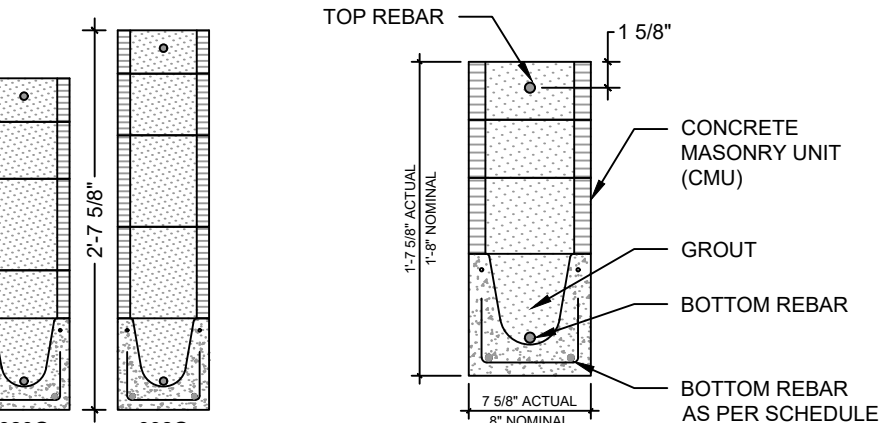


C
1

8" LINTEL TYPES

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

8" PRECAST LINTEL SCHEDULE						
LINTEL LENGTH	WEIGHT (LBS)	BOTTOM BARS		TOP BARS		STIRRUPS SPACING
		TYPE	LENGTH	TYPE	LENGTH	
3'-6"	130	(2) #3	3'-5"	(2) 7/32"	3'-5"	1'-0"
4'-0"	148	(2) #3	3'-11"	(2) 7/32"	3'-11"	1'-0"
4'-6"	167	(2) #3	4'-5"	(2) 7/32"	4'-5"	1'-0"
5'-4"	196	(2) #3	5'-3"	(2) 7/32"	5'-3"	1'-0"
5'-10"	216	(2) #3	5'-9"	(2) 7/32"	5'-9"	1'-0"
6'-6"	241	(2) #4	6'-5"	(2) 7/32"	6'-5"	1'-0"
7'-6"	278	(2) #4	7'-5"	(2) 7/32"	7'-5"	1'-0"
9'-4"	346	(2) #4	9'-3"	(2) #3	9'-3"	2'-0"
10'-6"	389	(2) #4	10'-5"	(2) #3	10'-5"	2'-0"
11'-4"	420	(2) #5	11'-3"	(2) #3	11'-3"	2'-0"
12'-0"	445	(2) #5	11'-11"	(2) #3	11'-11"	4'-0"
13'-4"	494	(2) #5	13'-3"	(2) #3	13'-3"	4'-0"
14'-0"	519	(2) #5	13'-11"	(2) #3	13'-11"	4'-0"



NOMINAL HEIGHT

NOMINAL WIDTH

G = GROUTED
E = EMPTY (UNGROUTED)

NUMBER OF REBARS AT BOTTOM OF LINTEL

NUMBER OF REBARS AT TOP OF LINTEL

820G-1BOT/1TOP

D
1

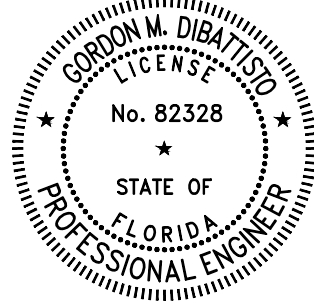
TYP. DESIGNATION

SCALE: 1"=1'-0" DETAIL

8" PRESTRESSED LINTEL SCHEDULE						
LINTEL LENGTH	WEIGHT (LBS)	BOTTOM BARS		TOP BARS		STIRRUPS SPACING
		TYPE	LENGTH	TYPE	LENGTH	
14'-8"	579	(2) #4	3'-5"	(2) 7/32"	14'-6"	4'-0"
15'-4"	606	(2) #4	3'-11"	(2) 7/32"	15'-2"	4'-0"
17'-4"	685	(2) #4	4'-5"	(2) 7/32"	17'-2"	4'-0"
19'-4"	764	(2) #5	5'-3"	(2) 7/32"	19'-2"	4'-0"
21'-4"	843	(2) #5	5'-9"	(2) 7/32"	21'-2"	4'-0"
22'-0"	869	(2) #5	6'-5"	(2) 7/32"	21'-10"	4'-0"
24'-0"	949	(2) #5	7'-5"	(2) 7/32"	23'-10"	4'-0"

GENERAL NOTES:

- MATERIAL SPECIFICATIONS:
 - PRECAST CONCRETE LINTEL: $f_c = 4,500$ PSI.
 - PRESTRESSED CONCRETE LINTEL: $f_c = 6,000$ PSI.
 - GROUT STRENGTH: $f_g = 3,000$ PSI.
 - CONCRETE MASONRY UNITS (CMU): MIN. NET AREA COMPRESSIVE STRENGTH = 2,000 PSI.
 - REINFORCEMENT STEEL: #3, #4 AND #5 ATSM A615 GRADE 60, AND 7/32" REBAR PER ASTM A510.
 - PRESTRESSING STRANDS: ASTM A416 GRADE 270 LOW-RELAXATION.
 - MORTAR: ASTM C270 TYPE M OR S.
- SAFE LOAD TABLES UTILIZE A MINIMUM 4-INCH NOMINAL BEARING.
- ENSURE FULL MORTAR BED AND HEAD JOINTS.
- ALL LINTELS CONFORM TO OR SURPASS THE MINIMUM DEFLECTION REQUIREMENT OF $L/360$.
- SHORE FILLED LINTELS AS REQUIRED.
- INSTALLATION AND ATTACHMENT OF LINTELS MUST ADHERE TO THE ARCHITECTURAL AND/OR STRUCTURAL DOCUMENTS.
- THE DESIGNER MAY EVALUATE CONCENTRATED LOADS FROM THE SAFE LOAD TABLES BY DETERMINING THE MAXIMUM RESISTING MOMENT AND SHEAR AT A DISTANCE "D" AWAY FROM THE FACE OF SUPPORT.
- N.E. = NOT EVALUATED.
- THE ADDITIONAL REBAR IN THE BOTTOM SHOULD BE POSITIONED AT THE BASE OF THE LINTEL CAVITY.
- LINTELS SUBJECTED TO BOTH VERTICAL (GRAVITY OR UPLIFT) AND HORIZONTAL (LATERAL) LOADS SIMULTANEOUSLY MUST UNDERGO A COMBINED LOADING CHECK USING THE SUBSEQUENT EQUATION:
 $(\text{APPLIED VERTICAL LOAD} / \text{SAFE VERTICAL LOAD}) + (\text{APPLIED HORIZONTAL LOAD} / \text{SAFE HORIZONTAL LOAD}) \leq 1$
- FOR COMPOSITE LINTEL HEIGHTS NOT DEPICTED, UTILIZE THE SAFE LOAD FROM THE IMMEDIATELY LOWER HEIGHT SHOWN.
- FOR LINTEL LENGTHS NOT ILLUSTRATED, EMPLOY THE SAFE LOAD FROM THE NEXT LONGEST LENGTH DEPICTED.
- SUPERIMPOSED ALLOWABLE LOADS CONSTITUTE THE SAFE LOADS.
- SAFE LOADS ARE DERIVED FROM A RATIONAL DESIGN ANALYSIS ACCORDING TO TMS402 AND ACI318 CODES.
- FOR PRESTRESSED LINTELS, STRIPPING STRENGTH EQUALS 3,500 PSI.
- TO ENHANCE LATERAL LOAD CAPACITY, DESIGNERS CAN INCORPORATE ADDITIONAL REINFORCED CONCRETE MASONRY UNITS (RCMU) ABOVE THE LINTEL. THIS PROVIDES ADDITIONAL CAPACITY BEYOND THE ALLOWABLE LOADS SHOWN.



GORDON DIBATTISTO
P.E. No. 82328 (FL)

12/08/25

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Digitally signed by Gordon DiBattisto
DN: C=US, S=Florida, O="DOP Engineering, LLC", SN=Gordon DiBattisto, G=Gordon, CN=Gordon DiBattisto, E=gordon@dopengineering.com
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Date: 2025.12.08
17:02:41
-05'00'
Foxit PDF Editor Version: 12.1.9

TITAN FLORIDA LLC

800 FAIRWAY DRIVE, SUITE #200
DEERFIELD BEACH, FL 33441

PRECAST AND
PRESTRESSED LINTELS
FL # 47931.1

DATE	DESCRIPTION	DRWN	CHK'D
12/08/25	INITIAL SET	RVL	LAO

PROJECT NUMBER:
P23-2645-00.0-TITA00

DRAWING TITLE:
FABRICATION DETAILS

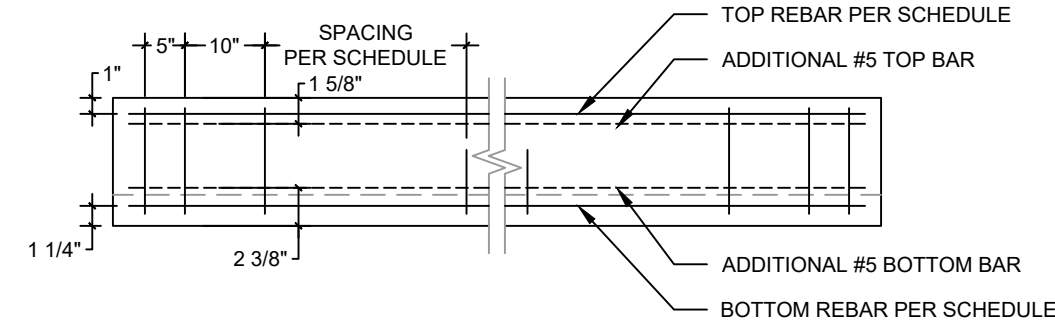
DRAWING NUMBER:
TI-25-100

SHEET:

1 OF 4

C:\USERS\RAOUE\OP\ENGINEERING\ENGINEERING PRODUCTION - PROJECTS\P22-2645-00.0-TITAA0\DRAWINGS\P23-2645-00.0-TITAA0_PRODUCT APPROVAL.DWG

8" PRECAST & PRESTRESSED U-LINTEL - SAFE GRAVITY LOADS (LBS/FT)								
/	88E	88G-0BOT	812G-0BOT	816G-0BOT	820G-0BOT	824G-0BOT	828G-0BOT	832G-0BOT
Lintel Length		88G-1BOT	812G-1BOT	816G-1BOT	820G-1BOT	824G-1BOT	828G-1BOT	832G-1BOT
3'-6" PRECAST	2229	3439	5622	7826	8212	9119	10026	10933
		3668	7201	10287	11353	12642	13932	15221
4'-0" PRECAST	1707	2475	4045	5630	7224	7055	7845	8349
		3355	5641	7866	10108	10001	11067	11848
4'-6" PRECAST	1348	1864	3043	4235	5434	6638	6164	6646
		2537	4250	5926	7614	9311	8758	9449
5'-4" PRECAST	960	1247	2033	2828	3628	4431	5236	4849
		2416	4944	7275	8199	10133	12076	11796
5'-10" PRECAST	802	1011	1648	2291	2938	3588	4240	4893
		2802	5733	8438	6667	8239	9819	11405
6'-6" PRECAST	603	1592	2714	3226	4148	5075	6006	6941
		2072	4017	6016	8015	8552	10200	11856
7'-6" PRECAST	555	1160	1978	2327	2991	3659	4329	5002
		1510	2927	4384	5841	6192	7386	8584
9'-4" PRECAST	297	721	1230	1412	1814	2219	2625	3032
		939	1820	2726	3631	3794	4525	5259
10'-6" PRECAST	214	560	955	1077	1383	1691	2000	2310
		729	1414	2117	2821	2914	3476	4040
11'-4" PRECAST	179	675	1188	1710	1822	2231	2642	3056
		725	1468	2251	3034	3817	3662	4464
12'-0" PRECAST	150	598	1052	1515	1600	1959	2321	2683
		642	1300	1994	2687	3381	3223	3931
13'-4" PRECAST	121	479	842	1212	1257	1539	1823	2107
		514	1041	1596	2151	2707	2545	3106
14'-0" PRECAST	101	432	760	1094	1123	1375	1628	1882
		464	939	1441	1942	2443	2280	2783
14'-8" PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
		344	682	1029	1376	3120	3216	3311
15'-4" PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
		276	622	938	1254	2943	3170	3111
17'-4" PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
		214	481	726	971	1216	1461	1706
19'-4" PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
		230	472	728	984	1239	1495	1751
21'-4" PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
		187	385	594	802	1011	1220	1428
22'-0" PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
		176	361	557	753	949	1145	1340
24'-0" PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
		147	302	466	629	793	957	1095



A

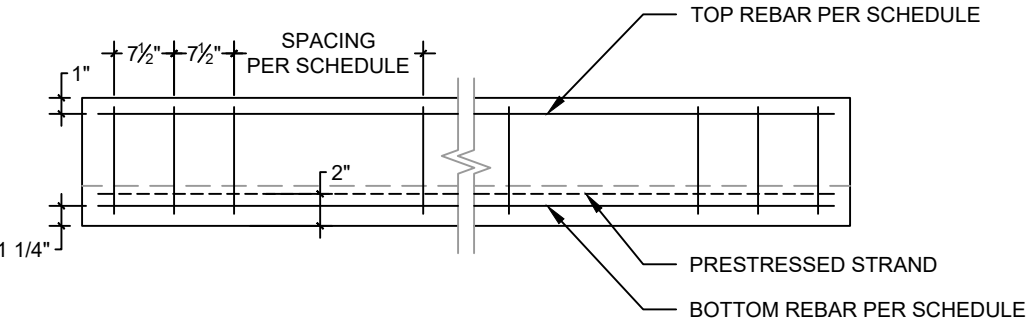
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8" PRECAST LONG. REINF. TYP.

SCALE: 1"=1'-0"

DETAIL

8" PRECAST & PRESTRESSED U-LINTEL - SAFE UPLIFT LOADS (LBS/FT)								
/	Lintel Length	88G-1TOP	812G-1TOP	816G-1TOP	820G-1TOP	824G-1TOP	828G-1TOP	832G-1TOP
		88G-2TOP	812G-2TOP	816G-2TOP	820G-2TOP	824G-2TOP	828G-2TOP	832G-2TOP
3'-6" PRECAST	2229	3416	7443	10531	11456	12745	14035	15324
		8645	15723	23122	30522	25638	28245	30853
4'-0" PRECAST	1707	3582	5361	7584	9824	9882	10948	11729
		6246	11360	16706	22052	19911	21930	23663
4'-6" PRECAST	1348	2709	4038	5712	7399	9095	8668	9359
		4356	8589	12632	16674	17843	17511	18923
5'-4" PRECAST	960	1828	2705	3825	4954	6089	7228	6856
		2414	5796	8523	11251	11991	14260	13916
5'-10" PRECAST	802	1491	2195	3104	4020	4940	5864	6791
		1779	4728	6953	9179	9756	11601	13455
6'-6" PRECAST	603	1170	1709	2416	3128	3844	4563	5284
		1236	3709	5455	7201	7621	9063	10511
7'-6" PRECAST	555	730	1229	1736	2247	2761	3277	3795
		769	2433	3975	5247	5514	6557	7604
9'-4" PRECAST	297	530	926	1321	1716	2112	2507	2903
		525	1193	2471	3262	3372	4010	4650
10'-6" PRECAST	214	412	719	1026	1333	1640	1948	2255
		718	817	1920	2534	2587	3075	3566
11'-4" PRECAST	179	350	611	872	1133	1394	1655	1916
		610	1109	1631	2153	2176	2587	3000
12'-0" PRECAST	150	310	541	772	1004	1235	1466	1697
		540	983	1445	1908	1911	2272	2634
13'-4" PRECAST	121	248	433	618	803	989	1174	1359
		433	787	1157	1527	1500	1784	2068
14'-0" PRECAST	101	224	391	558	725	892	1059	1226
		390	710	1044	1378	1340	1592	1847
14'-8" PRESTRESSED	N.R.	339	592	845	1098	1351	1605	1858
		354	644	947	1250	1201	1428	1656
15'-4" PRESTRESSED	N.R.	309	540	770	1001	1231	1462	1693
		354	644	947	1250	349	626	961
17'-4" PRESTRESSED	N.R.	239	418	596	775	954	1132	1311
		250	454	668	882	804	956	1108
19'-4" PRESTRESSED	N.R.	191	333	476	618	760	903	1045
		199	362	533	703	611	726	842
21'-4" PRESTRESSED	N.R.	156	272	388	504	620	736	852
		162	296	435	574	472	560	649
22'-0" PRESTRESSED	N.R.	146	255	364	473	582	691	800
		152	277	408	538	562	865	1082
24'-0" PRESTRESSED	N.R.	122	213	304	395	487	578	669
		127	232	341	450	338	401	465



B

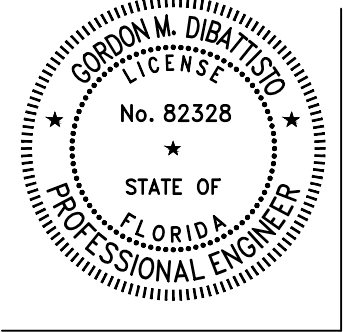
2

8" PRESTRESSED LONG. REINF. TYP.

SCALE: 1"=1'-0"

DETAIL

8" PRECAST & PRESTRESSED U-LINTEL SAFE LATERAL LOADS (LBS/FT)			
/	88E	88G	RCMU
Lintel Length			
3'-6" PRECAST	1238	1519	1552
4'-0" PRECAST	948	1089	1122
4'-6" PRECAST	749	815	848
5'-4" PRECAST	533	539	572
5'-10" PRECAST	446	1507	467
6'-6" PRECAST	605	1518	366
7'-6" PRECAST	454	1106	267
9'-4" PRECAST	293	687	166
10'-6" PRECAST	232	534	129
11'-4" PRECAST	261	571	110
12'-0" PRECAST	233	506	97
13'-4" PRECAST	189	405	78
14'-0" PRECAST	171	366	70
14'-8" PRESTRESSED	N.R.	263	64
15'-4" PRESTRESSED	N.R.	240	58
17'-4" PRESTRESSED	N.R.	186	45
19'-4" PRESTRESSED	N.R.	148	36
21'-4" PRESTRESSED	N.R.	121	29
22'-0" PRESTRESSED	N.R.	113	27
24'-0" PRESTRESSED	N.R.	95	23



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P.E. No. 82328 (FL)

12/08/25

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TITAN FLORIDA LLC

800 FAIRWAY DRIVE, SUITE #200
DEERFIELD BEACH, FL 33441

PRECAST AND
PRESTRESSED LINTELS
FL # 47931.1

DATE	DESCRIPTION	DRWN	CHK'D
12/08/25	INITIAL SET	RVL	LAO

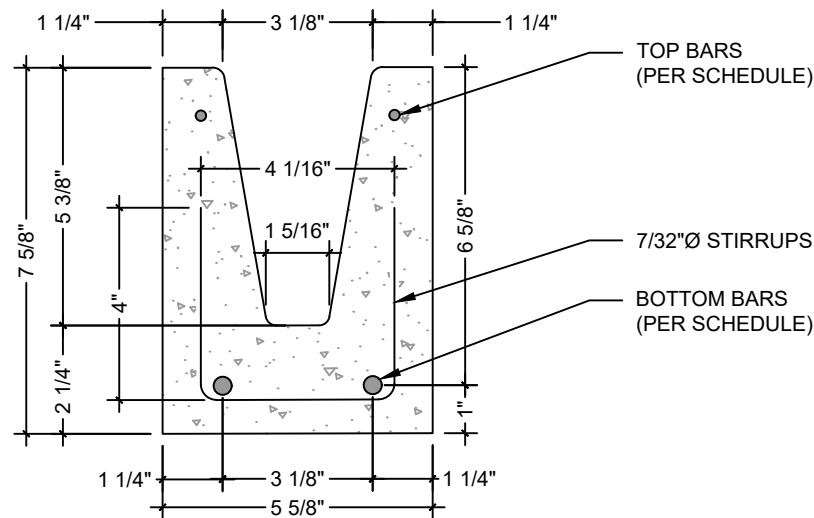
PROJECT NUMBER:
P23-2645-00.0-TITAA00

DRAWING TITLE:
FABRICATION DETAILS

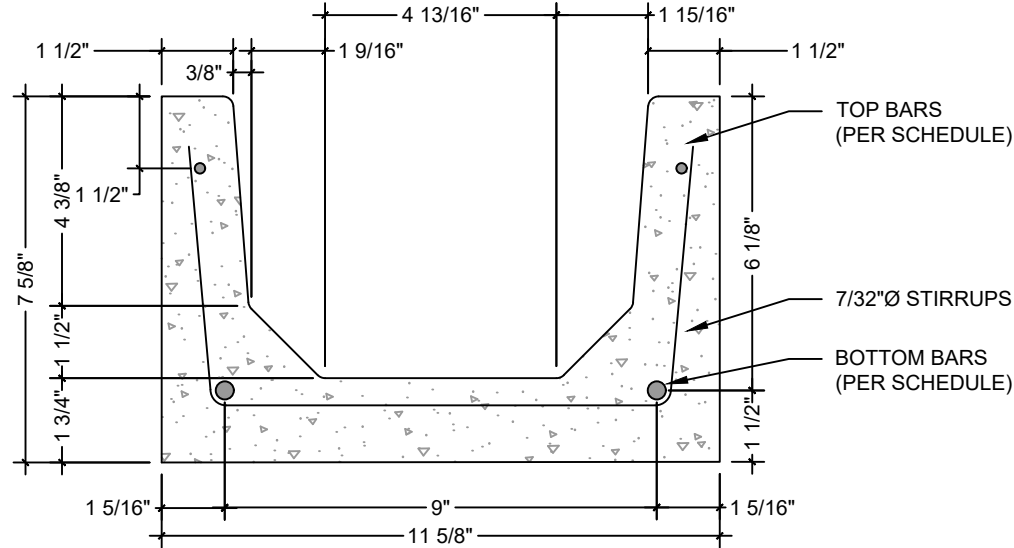
DRAWING NUMBER:
TI-25-200

SHEET:

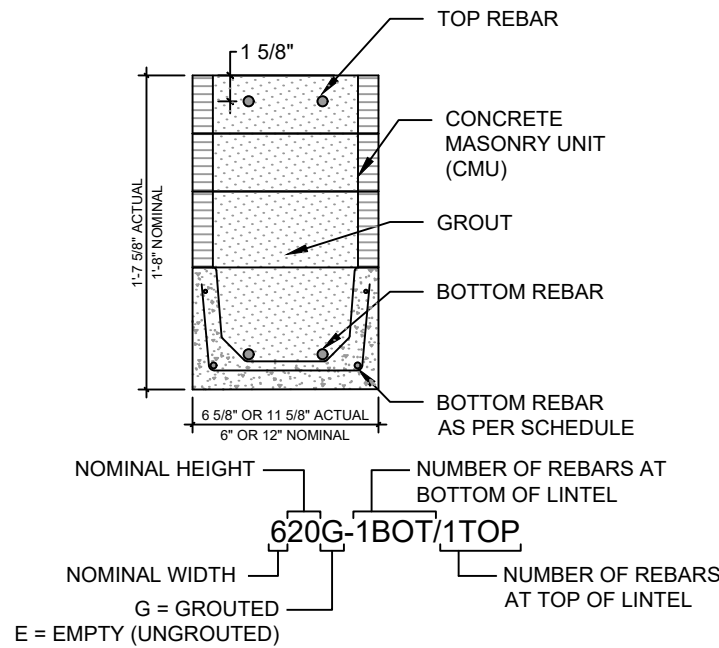
TITAN FLORIDA LLC
6" & 12" LINTEL FABRICATION DETAILS



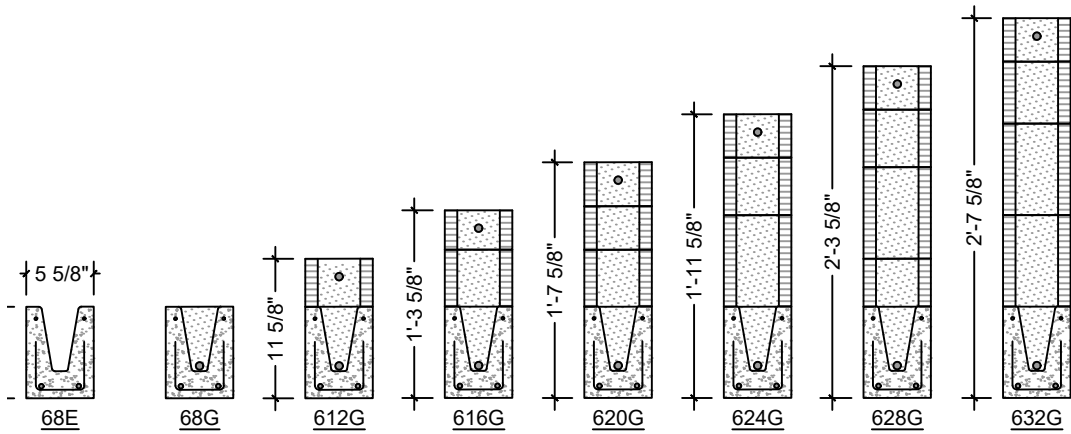
A
3
6" PRECAST LINTEL
SCALE: 3"=1'-0" DETAIL



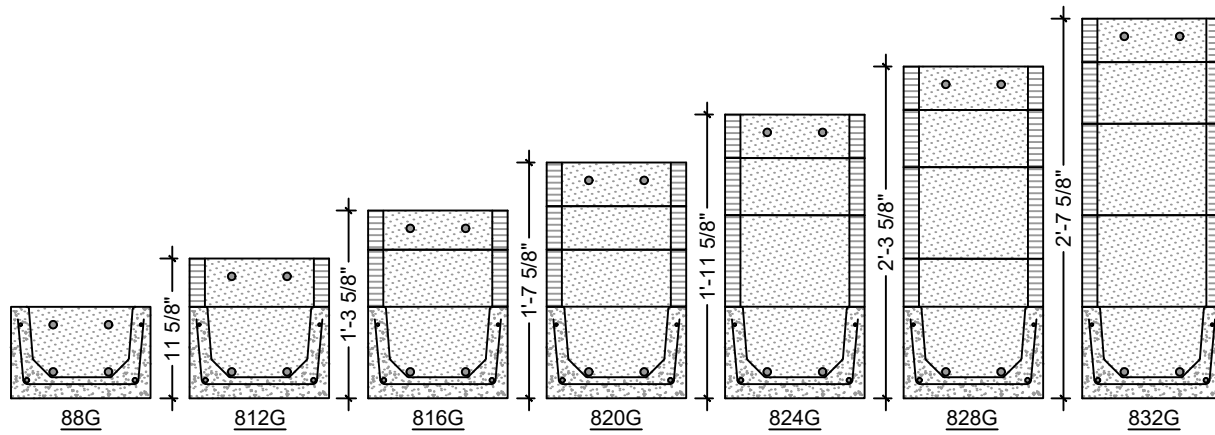
B
3
12" PRECAST LINTEL
SCALE: 3"=1'-0" DETAIL



E
3
TYP. DESIGNATION
SCALE: 1"=1'-0" DETAIL



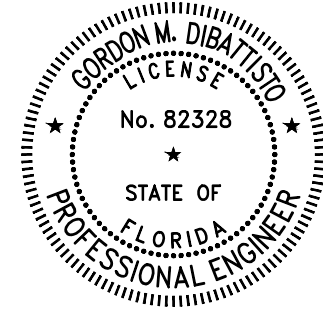
C
3
6" LINTEL TYPES
SCALE: 3/4"=1'-0" DETAIL



D
3
12" LINTEL TYPES
SCALE: 3/4"=1'-0" DETAIL

6" PRECAST LINTEL SCHEDULE						
LINTEL LENGTH	WEIGHT (LBS)	BOTTOM BARS		TOP BARS		STIRRUPS SPACING
		TYPE	LENGTH	TYPE	LENGTH	
3'-6"	113	(2) #3	3'-5"	(2) 7/32"	3'-5"	1'-0"
4'-0"	130	(2) #3	3'-11"	(2) 7/32"	3'-11"	1'-0"
4'-6"	146	(2) #3	4'-5"	(2) 7/32"	4'-5"	1'-0"
5'-4"	173	(2) #3	5'-3"	(2) 7/32"	5'-3"	1'-0"
5'-10"	189	(2) #3	5'-9"	(2) 7/32"	5'-9"	1'-0"
6'-6"	211	(2) #4	6'-5"	(2) 7/32"	6'-5"	1'-0"
7'-6"	243	(2) #4	7'-5"	(2) 7/32"	7'-5"	1'-0"
9'-4"	302	(2) #4	9'-3"	(2) #3	9'-3"	2'-0"
10'-6"	340	(2) #4	10'-5"	(2) #3	10'-5"	2'-0"
11'-4"	367	(2) #5	11'-3"	(2) #3	11'-3"	2'-0"
12'-0"	389	(2) #5	11'-11"	(2) #3	11'-11"	4'-0"
13'-4"	432	(2) #5	13'-3"	(2) #3	13'-3"	4'-0"
14'-0"	453	(2) #5	13'-11"	(2) #3	13'-11"	4'-0"

12" PRECAST LINTEL SCHEDULE						
LINTEL LENGTH	WEIGHT (LBS)	BOTTOM BARS		TOP BARS		STIRRUPS SPACING
		TYPE	LENGTH	TYPE	LENGTH	
3'-6"	154	(2) #5	3'-5"	(2) 7/32"	3'-5"	1'-0"
4'-0"	177	(2) #5	3'-11"	(2) 7/32"	3'-11"	1'-0"
4'-6"	199	(2) #5	4'-5"	(2) 7/32"	4'-5"	1'-0"
5'-4"	235	(2) #5	5'-3"	(2) 7/32"	5'-3"	1'-0"
5'-10"	257	(2) #5	5'-9"	(2) 7/32"	5'-9"	1'-0"
6'-6"	287	(2) #5	6'-5"	(2) 7/32"	6'-5"	1'-0"
7'-6"	331	(2) #5	7'-5"	(2) 7/32"	7'-5"	1'-0"
9'-4"	412	(2) #5	9'-3"	(2) #3	9'-3"	2'-0"
10'-6"	463	(2) #5	10'-5"	(2) #3	10'-5"	2'-0"
11'-4"	500	(2) #5	11'-3"	(2) #3	11'-3"	2'-0"
12'-0"	530	(2) #5	11'-11"	(2) #3	11'-11"	4'-0"
13'-4"	588	(2) #5	13'-3"	(2) #3	13'-3"	4'-0"
14'-0"	618	(2) #5	13'-11"	(2) #3	13'-11"	4'-0"



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800 FAIRWAY DRIVE, SUITE #200
DEERFIELD BEACH, FL 33441

PRECAST AND
PRESTRESSED LINTELS
FL # 47931.1

DATE	DESCRIPTION	DRWN	CHK'D
12/08/25	INITIAL SET	RVL	LAO

PROJECT NUMBER:
P23-2645-00.0-TITA00

DRAWING TITLE:
FABRICATION DETAILS

DRAWING NUMBER:
TI-25-300

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3 OF 4

